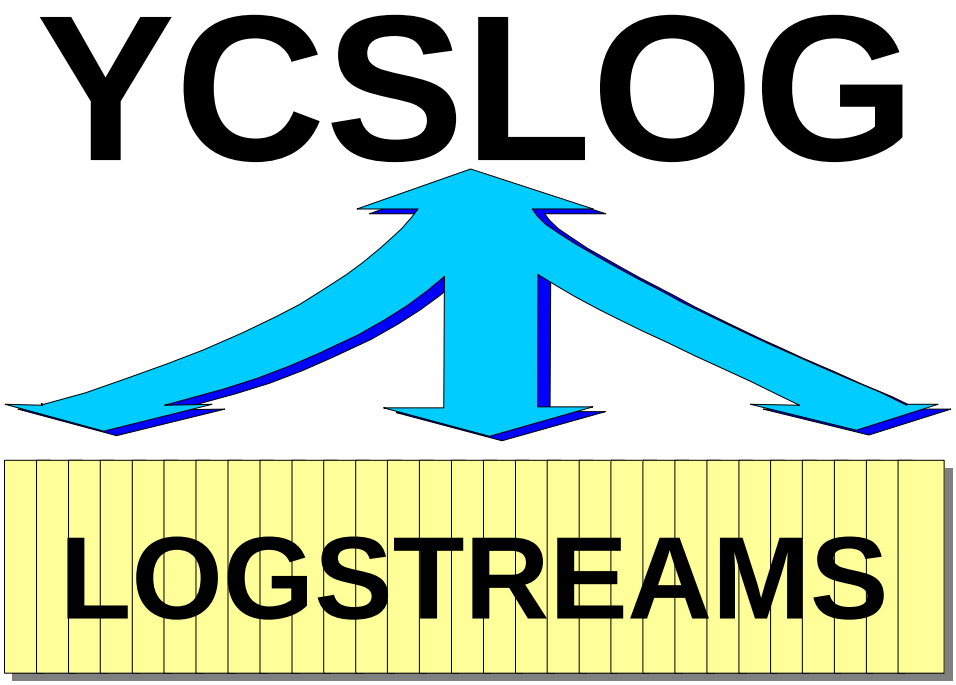


YCSLOG Version 2, Release 0
Mod 0

U s e r ' s G u i d e

YCOS Yves Colliard Software GmbH
Fremersbergstr. 45
D-76530 Baden-Baden

Tel: (D) 07221/9708384
Fax: (D) 0322 2374 2352

e-Mail: ycos@ycos.de
Home: http://www.ycos.de

Table of Contents

1 YCSLOG – YCOS System Logger Utility 6
1.1 YCSLOG Overview 6
2 YCSLOG Usage 7
2.1 YCSLOG Start 7
2.2 YCSLOG Query/Display Logstreams 8
2.2.1 O:Offload-DS 11
2.2.2 RD:Report-Detail 16
2.2.3 D:LOGS-Definition 18
2.2.4 DA:LOGS-Defs-All 20
2.2.5 Q:SMF 21
2.2.6 QA:SMF-All 23
2.2.7 QS:SMF-Plex 25
2.2.8 QSA:SMF-Plex-All 27
2.2.9 SU:SMF-Unload 29
2.2.10 B:Browse 45
2.3 YCPlex Group Query 50
3 Installation 52
3.1 Delivery 52
3.2 Installation 55
3.3 Installation Sample Code 57
3.4 Installation System Rexx Code 58
3.5 Installation REXX 59
3.6 Installation Panels 60
3.7 Installation Load Modules – Linklist 61
3.8 Installation Load Modules – Linklist + APF 62
3.9 TSO Authorization 63
3.10 STC: YCPlex Started Task 64
3.11 RACF 64
3.11.1 RACF: YCPlex 64
3.11.2 RACF: YCSLOG 64
3.11.3 RACF: Query Sysplex 64
3.11.4 RACF: Remote Unload 64
3.12 Performance: YCPlex 64
4 Operations 65
4.1 Start von YCPlex 65
4.2 Stop von YCPlex 65
4.3 Modules, Versionen, PTF und Compile von YCPlex 65
4.4 YCXCFREX System Rexx Diagnosis 65
4.5 Messages 66
4.5.1 Messages YCPlex 66
4.5.2 Messages OPERLOG 66
4.5.3 Messages YCSMFLOG 66
4.5.4 Messages YCSMFQRY 67

5 YCSLOG Support 68
6 YCSLOG Version and Release 69
6.1 Version 2 Release 0 und PTFs 69
6.2 Version 1 Release 0 und PTFs 69
7 Index 70

Table of figures

Figure 1: YCSLOG Main menu 7
Figure 2: YCLOGMRX – YCSLOG Query/Display Logstreams – Display 8
Figure 3: O:Offload-DS – Display 11
Figure 4: O:Offload-DS – Display – Right 1 13
Figure 5: O:Offload-DS – Display – Right 2 14
Figure 6: OB:Offload-DS – Batch 15
Figure 7: RD:Report-Detail – Display 16
Figure 8: RDB:Report-Detail – Batch 17
Figure 9: D:LOGS-Definition – Display – Beispiel 18
Figure 10: D:LOGS-Definition – Display – Beispiel 20
Figure 11: Q:SMF – Display 21
Figure 12: QB:SMF – Batch 22
Figure 13: QA:SMF-All – Display 23
Figure 14: QAB:SMF-All – Batch 24
Figure 15: QS:SMF-Plex – Display 25
Figure 16: QSB:SMF-Plex – Batch 26
Figure 17: QSA:SMF-Plex-All – Display 27
Figure 18: QSAB:SMF-Plex-All – Batch 28
Figure 19: YCSMFLOG – Sample SMF Unload 32
Figure 20: YCSMFLOG – Sample SMFIN Input 39
Figure 21: YCSMFLOG – Sample SMFOUT Output 40
Figure 22: YCSMFLOG – Sample SMFOUT Output – DASDONLY remote 42
Figure 23: YCSMFLRX – Sample Check Parameter – Error 43
Figure 24: YCSMFLRX – Sample Check Parameter – Successful 44
Figure 25: B:Browse – Operlog 45
Figure 26: B:Browse – Selection 46
Figure 27: B:Browse – Logrec 47
Figure 28: B:Browse – Logsream SMF 48
Figure 29: BB:Browse Logstream – Batch 49
Figure 30: YCPLEXQY – YCPlex Group Query – Display 50
Figure 31: YCPLEXQY – YCPlex Group Query – Batch 51
Figure 32: YCSLOG installation JCL 56
Figure 33: PROGxx Linklist 61
Figure 34: PROGxx LINKAPF 62
Figure 35: PROGxx APF Authorization 62
Figure 36: TSO Authorization – IKJTSOxx 63

1 YCSLOG – YCOS System Logger Utility

1.1 YCSLOG Overview

YCSLOG provides a central interface to system logger information. It simplifies and extends the standard ways system logger information can be extracted, displayed and used.
YCSLOG – YCOS system logger utility consists of several components:

- **YCPlex**: YCOS sysplex communication provides a flexible interface within a sysplex; the standard XCF *(cross system coupling facility – called basic sysplex)* services are used. The YCPlex interface can be used to send tasks/commands/actions – SEND – to other systems; the answer(s) can be – RESP – returned to the caller and queries – QURY – are also provided
- **OPERLOG Viewer**: has been designed to allow quick and accurate access to the **Operlog** Logstream. The access to the Operlog can be done from **TSO/ISPF** and also from **batch** jobs; what makes Operlog Viewer a powerful and flexible tool. A main feature of Operlog Viewer is the ability to restrict the usage of Operlog data based on the system name!
- **YCSMFLOG**: YCOS SMF Logstream Unload utility provides a more flexible and faster way to manage SMF Logstreams . It is an alternative to the IFASMFDL IBM utility.
- **YCSLOG**: an extensive suite of online and batch utilities to display and word with system logger and Logstreams . It is an very powerful alternative to the IXCMIAPU IBM utility and using D LOGGER commands. YCSLOG is also currently the unique utility able to display the content of z/OSMF of the incident log Logstreams.

2 YCSLOG Usage

2.1 YCSLOG Start

YCSLOG can be started using the delivered YCSLOG Rexx or adding a new entry within a selection panel *(ISR§PRIM or other)* like:

- `SELECT PANEL(YCLOGP00) SCRNAME(YCSLOG) NEWAPPL(YLOG)`

```
  Menu  Utilities  Compilers  Options  Status  Help
---------------------- YCOS System Logger Sysplex Utility ----------------------
Option ===>

1  Logstreams    Query/Display Logstreams
   Logstr. Mask: I*       . *        . *        . *

2  Operlog       Operlog Viewer

3  YCPlex        YCPlex Group Query - YCXCFGRP
3B YCPlex Batch




           11 System(s) running in Sysplex YVESPL
                        Current System ==> TST2

System(s): SYS1 SYS2 SYS3 PRD3 PRD4 ENT0 ENT1 ENT2 ENT3 TST1 TST2




    Copyright YCOS Yves Colliard Software GmbH - 2009-11 - V2.0
```

Figure 1: YCSLOG Main menu

The panel offers 3 (4) options:

1. Query/Display Logstreams – see YCSLOG Query/Display Logstreams page 8
   a. A Logstream mask can be given to reduce the amount of output shown by the Query/Display panel; this option can be also given/overtyped on the Query/Display panel
2. OPERLOG Viewer – see OPERLOG Viewer page ???
3. YCPlex Group Query – 3B Batch – see YCPlex Group Query page 50

The number of systems within the sysplex, the sysplex name, the name of the current system and all systems included in the sysplex will also be displayed.

2.2 YCSLOG Query/Display Logstreams

The YCSLOG Query/Display Logstreams panel can be called using the option 1 of the YCSLOG main menu or using the rexx YCLOGMRX

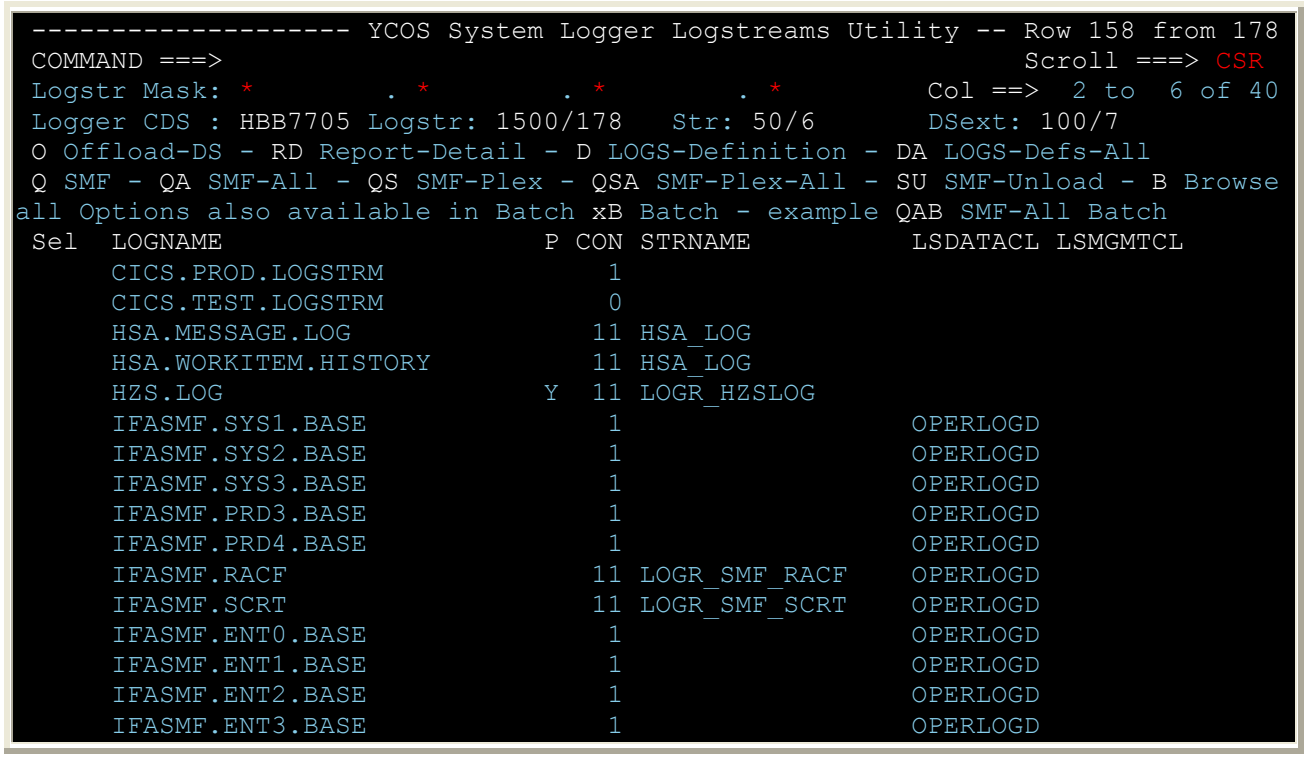


Figure 2: YCLOGMRX – YCSLOG Query/Display Logstreams – Display

Following information will be displayed and following options will be available:

1. line:
   a. **Logstr Mask** – can be used to reduce the display to certain Logstream names. The first 4 qualifiers can be used and all given data will be treated as a generic entry; "*" has not to be given, it will be automatically added – only Logstream names qualifiers starting with the given characters will be shown
   b. **Col ==> n to m of p**: current position within the columns – PF10 and PF11 can be used to navigate

2. line:
   a. **Logger CDS** – current System Logger CDS level
   b. **Logstr** – number of Logstreams defined „/" used – at a defined to used percent higher than 70% the user will be warned!

c. **Str** – number of Structures defined „/“ used – at a defined to used percent higher than 70% the user will be warned!
d. **DSext** – number of Data Set Extents used „/“ defined – at a defined to used percent higher than 70% the user will be warned!

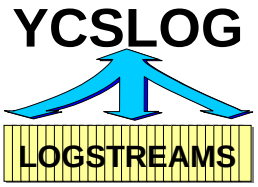
3. line: possible line commands – all Logstreams are supporting these line commands:
   a. **O:Offload-DS** – customized/extended display of the IBM IXCMIAPU Report for this Logstream – see O:Offload-DS page 11
   b. **RD:Report Detail** – original IXCMIAPU Detail Report – see RD:Report-Detail page 16
   c. **D:LOGS-Definition** – IXCMIAPU JCL needed to allocate *(define/ delete/ update)* this Logstream – see D:LOGS-Definition page 18
   d. **DA:LOGS-Defs-All** – IXCMIAPU JCL needed to allocate *(define/ delete/ update)* ALL Logstreams – see DA:LOGS-Defs-All page 20

4. line: possible line commands – supported only by some Logstream types:
   a. **Q:SMF** – Query *(IFAQUERY)* this SMF Logstreams on this system – see Q:SMF page 20 – only support by SMF Logstreams
   b. **QA:SMF-All** – Query *(IFAQUERY)* all SMF Logstreams on this system – see QA:SMF-All page 23 – only support by SMF Logstreams
   c. **QS:SMF-Plex** – Query *(IFAQUERY)* this SMF Logstreams within the sysplex *(YCPlex required)* – see QS:SMF-Plex page 25 – only support by SMF Logstreams
   d. **QSA:SMF-Plex-All** – Query *(IFAQUERY)* all SMF Logstreams within the sysplex *(YCPlex required)* – see QSA:SMF-Plex-All page 27 – only support by SMF Logstreams
   e. **SU:SMF-Unload** – sample JCL to run the YCSMFLOG Utility – see SU:SMF-Unload page 29 – only support by SMF Logstreams
   f. **B:Browse** – direct view of some supported Logstreams – see B:Browse page 45
      i. Operlog: using OPERLOG Viewer
      ii. Logrec: using IBM EREP interface. A selection panel will be shown to select some date and time ranges
      iii. z/OSMF:
         1. CEA Operlog Logstream: using OPERLOG Viewer
         2. CEA Logrec Logstream: using IBM EREP interface
      iv. Others: display of the raw data of the Logstream

5. line: all line-commands supports also a „B“ suffix *(like QB for Q:SMF Query)*; the utility will display the needed JCL – batch job – to run the utility in batch

6. line: name of the different columns

7. line to the end of the display: the selected Logstreams with:



a. Sel – line command
b. column 1 – LOGNAME – Logstream Name
c. from column 2 all columns can be displayed using the PF11/PF10 right/left
d. column 2 – P – Changes Pending: Y means that Logstream changes are pending within the policy; use the D or RD line commands to review the pending changes
e. column 3 – CON – number of currently connected systems to this Logstream
f. columns 4 to 30 – the IXCMIAPU definitions for the Logstream
g. columns 21 to 36 – the IXCMIAPU definitions for the Logstream structures
h. from column 37 – list of the systems and their connections

8. Using the standard ISPF PFkeys *(PF7+PF8 and PF10+PF11)* movement within the table will be possible *(M and ### – a number – can also be used)*.

2.2.1 O:Offload-DS

The option O:Offload-DS extends and simplifies the IXCMIAPU DETAIL REPORT of a Logstream.
This function can be executed for all type of Logstreams.

```
  File  Edit  Edit_Settings  Menu  Utilities  Compilers  Test  Help
------------------------------------------------------------------------------
EDIT       SYS11086.T120449.RA000.YVES.R0100567            Columns 00001 00072
Command ===> _____________________________________________ Scroll ===> CSR
****** ***************************** Top of Data ******************************
=NOTE=  Show structured IXCMIAPU of SYSPLEX.OPERLOG
=NOTE= ------------------------------------------
000001 Following Dates/Times are available within SYSPLEX.OPERLOG Logstream
000002
000003 3 Offload Dataset(s): LOGR.SYSPLEX.OPERLOG.Axxxxxxx
000004 1 Extent(s) used in LOGR Couple Dataset
000005
000006 Systems Connected: 0
000007
000008 ----------------- -----------------
000009 Lowest LOCAL      Highest LOCAL
000010 Date   Time       Date     Time
000011 ----------------- -----------------
000012 03.03.11 17:23:48 16.03.11 18:11:18 <<< MIN MAX
000013 ----------------- -----------------
000014 TT.MM.JJ HH:MM:SS TT.MM.JJ HH:MM:SS Volser Dsname
000015 ----------------- ----------------- ------ ----------------------------
000016 ** BRWS  008.0804 03.03.11 16:45:56 Y2WORK LOGR.SYSPLEX.OPERLOG.A0000055
000017 03.03.11 17:23:48 16.03.11 00:20:37 Y3WORK LOGR.SYSPLEX.OPERLOG.A0000056
000018 16.03.11 00:20:37 16.03.11 18:11:18 Y3WORK LOGR.SYSPLEX.OPERLOG.A0000057
000019
000020 Attention the last Offload Dataset may not report date/time.
000021 Also the last Offload Dataset may perhaps not be the current, since
000022 System Logger may allocates the Offload Dataset in advance, to secure th
000023 (C) YCOS Yves Colliard Software GmbH 2003-11
```

Figure 3: O:Offload-DS – Display

General Logstream Information:

- Number of Offload Datasets and their name format
  - `3 Offload Dataset(s): LOGR.SYSPLEX.OPERLOG.Axxxxxxx`
- Number of Extents used in the Logger Couple Dataset
  - `1 Extent(s) used in LOGR Couple Dataset`
- Minimum and maximum start and end-date/time in local time format
  - `03.03.11 17:23:48 16.03.11 18:11:18 <<< MIN MAX`

For all „usable“ Offload datasets following information will also be provided:

- start and end-date/time in local time format
  - if problems has been received during getting the information, error indication will be provided

- Routine active at the time the error occurred:
  - INIT – Begin initialization
  - VARN – Get the Parms from Variable YCLOGNAM
  - VARC – Get the Parms from Variable YCLOGCNT
  - VAR1 – Check Variable YCLOGNAM
  - VAR2 – Check Variable YCLOGCNT
  - CONN – Connect to the stream – IXGCONN
  - VARB – Get the Block Variable YCLOGBLK.#
  - BRWS – issue IXGBRWSE START to get browse session going
  - BRWR – issue IXGBRWSE READ and position and read record in range
  - VARC – Create Clock Variable YCLOGCLK.#
  - BREN – issue IXGBRWSE END and stop Browse
  - DISC – Disconnect from the stream – IXGCONN DISCONNECT
- Return Code of IKJCT441 or IXG routine
- Reason Code of IKJCT441 or IXG routine
  - In this example: BRWS 008.0804
    - BRWS: issue IXGBRWSE START to get browse session going
    - 008: Service does not complete (see MVS Programming: Authorized Assembler Services Reference, Volume 2 (EDT-IXG))
    - 0804: Program error. The block identifier or time stamp does not exist in the requested view of the log stream. If the SEARCH parameter was specified on a START request, the time stamp is greater than any block in the log stream. Either the value provided was never a valid location within the log stream, or a prior IXGDELET request deleted the portion of the log stream it referred to.
    - 03.03.11 17:23:48 16.03.11 00:20:37

- Volser: volume where the offload dataset resides
- Dsname: dataset name of the offload dataset

```
  File  Edit  Edit_Settings  Menu  Utilities  Compilers  Test  Help
------------------------------------------------------------------------------
EDIT       SYS11086.T120449.RA000.YVES.R0100567           Columns 00073 00144
Command ===> _____________________________________________ Scroll ===> CSR
****** ***************************** Top of Data ******************************
=NOTE=  Show structured IXCMIAPU of SYSPLEX.OPERLOG
=NOTE= ------------------------------------------
000001
000002
000003
000004
000005
000006
000007
000008
000009
000010
000011
000012
000013
000014                 Num Catalog                                        BlockID
000015 --------------- --- ---------------------------------------------- -------
000016 .DATA            001 SYS1.ICFCAT.ZOS11.Y00001                       0000000
000017 .DATA            001 SYS1.ICFCAT.ZOS11.Y00001                       0000000
000018 .DATA            001 SYS1.ICFCAT.ZOS11.Y00001                       0000000
000019
000020
000021
000022 e next Offload Dataset switch.
000023
****** ************************** Bottom of Data ***************************
```

Figure 4: O:Offload-DS – Display – Right 1

For all „usable“ Offload datasets following information will also be provided – continue :

- Num: number of volumes
- Catalog name
- BlockID-Start – System Logger information about the block id of the first record

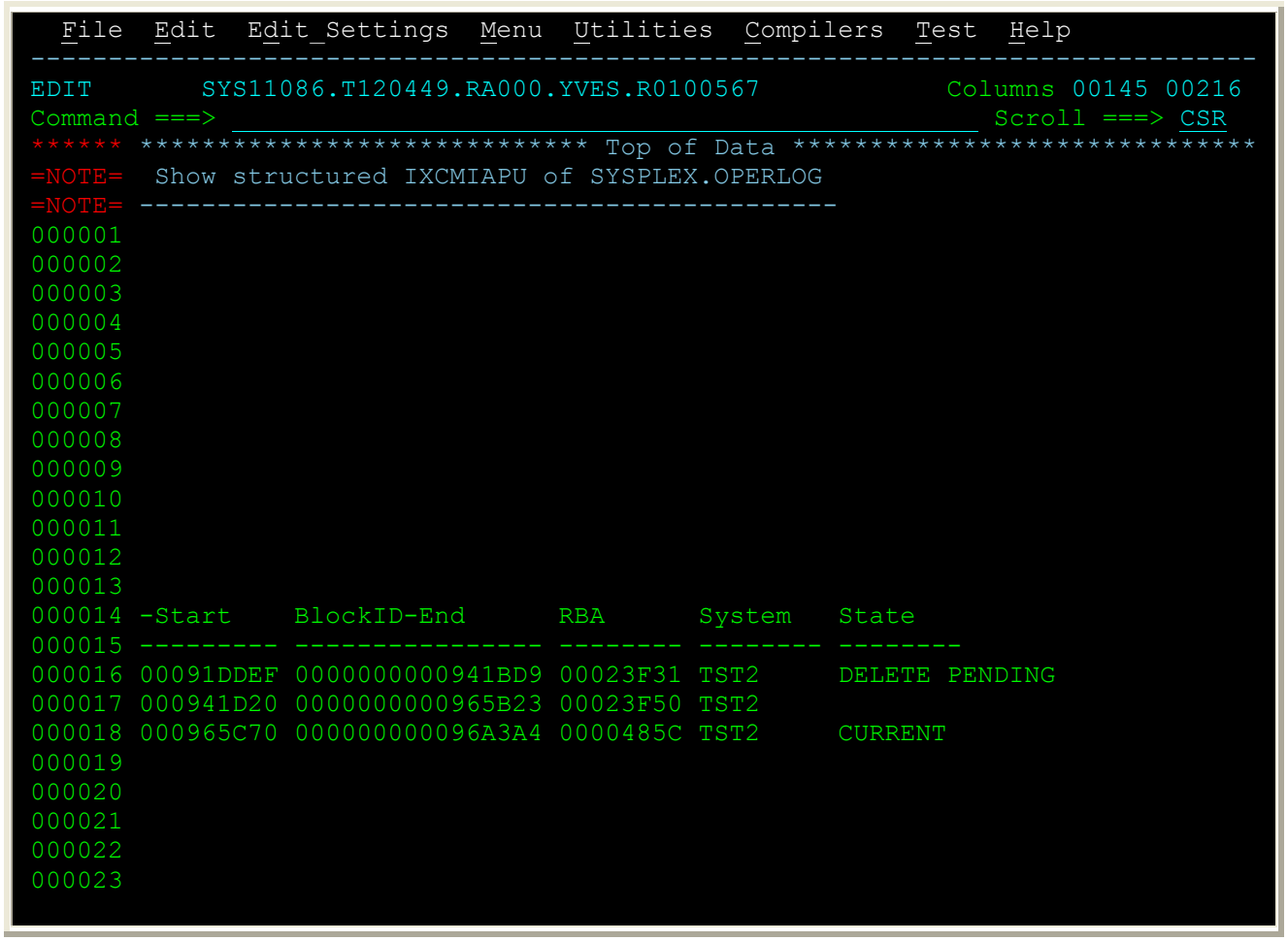


Figure 5: O:Offload-DS – Display – Right 2

- BlockID-End – System Logger information about the block id of the last record
- RBA: Highest RBA within Logstream VSAM LDS
- System: name of the system which last changed the state of the offload dataset *(allocate, close, mark for delete…)*
- State: normally “blank”, CURRENT will be shown
    - DELETE PENDING mean that at next connection the dataset will be deleted

The OB – O Batch – will provide following JCL:

```
Please correct the JCL and Submit
  - Change Job Card
  - Select and Change the needed information

//YCLOGQRX JOB 'ACCT#',YVES,CLASS=A,MSGCLASS=X,NOTIFY=YVES
//*-------------------------------------------------------
//* This job can be used to query the Logstream Offload DS
//* (C) YCOS Yves Colliard Software GmbH 2009-11
//*-------------------------------------------------------
//LOGSQRY   EXEC PGM=IKJEFT01,REGION=0M,
//          PARM='YCLOGQRX IFASMF.BASE'
//*                        Logstream Name
//SYSPROC   DD DISP=SHR,DSN=&USR..YCSLOG.REXX
//             current ISPF concatenation will be inserted
//LOGQRY    DD SYSOUT=*      Output of REXX
//SYSTSPRT  DD SYSOUT=*
//SYSTSIN   DD DUMMY
//SYSUDUMP  DD SYSOUT=*
```

Figure 6: OB:Offload-DS – Batch

The LOGQRY DDName will contain the output of the display.

Output can also be sent to a dataset.

```
//*LOGQRY    DD DISP=(,CATLG),   Output of REXX
//*          DSN=your.data.set,  <=================
//*          SPACE=(TRK,(15,15),RLSE),LRECL=256,
//*          RECFM=FB
```

2.2.2 RD:Report-Detail

The option RD:Report-Detail executes and displays the standard IXCMIAPU DETAIL REPORT for the selected Logstream.
This function can be executed for all type of Logstreams.

```
  File  Edit  Edit_Settings  Menu  Utilities  Compilers  Test  Help
------------------------------------------------------------------------------
EDIT       SYS11086.T125611.RA000.YVES.R0100576           Columns 00001 00072
Command ===> ____________________________________________ Scroll ===> CSR
****** ***************************** Top of Data ******************************
=NOTE=  Show IXCMIAPU of SYSPLEX.OPERLOG
=NOTE= ---------------------------------
000001 1ADMINISTRATIVE DATA UTILITY:  INPUT                       DATA TYPE =
000002 +_____________________________________________________________________
000003
000004  LINE #     CONTROL CARDS
000005
000006       1     DATA TYPE(LOGR) REPORT(NO)
000007       2     LIST LOGSTREAM NAME(SYSPLEX.OPERLOG) DETAIL(YES)
000008 1ADMINISTRATIVE DATA UTILITY:  MESSAGES                    DATA TYPE =
000009 +_____________________________________________________________________
000010
000011
000012
000013  IXG005I LOGR POLICY PROCESSING LINE# 2
000014
000015     LOGSTREAM NAME(SYSPLEX.OPERLOG) STRUCTNAME() LS_DATACLAS(LOGROFF)
000016               LS_MGMTCLAS() LS_STORCLAS() HLQ(LOGR) MODEL(NO) LS_SIZE(1)
000017               STG_MGMTCLAS() STG_STORCLAS() STG_DATACLAS(LOGR) STG_SIZE(
000018               LOWOFFLOAD(0) HIGHOFFLOAD(80) STG_DUPLEX(YES) DUPLEXMODE(U
000019               RMNAME() DESCRIPTION() RETPD(7) AUTODELETE(YES) OFFLOADREC
000020               DASDONLY(YES) DIAG(NO) LOGGERDUPLEX(UNCOND) EHLQ(NO_EHLQ)
000021               MAXBUFSIZE(65532)
000022
000023
000024          LOG STREAM ATTRIBUTES:
...
```

Figure 7: RD:Report-Detail – Display

The RDB – RD Batch – will provide following JCL:

```
Please correct the JCL and Submit
  - Change Job Card
  - Select and Change the needed information

//YCLOGRDX JOB 'ACCT#',YVES,CLASS=A,MSGCLASS=X,NOTIFY=YVES
//*-------------------------------------------------------
//* This job can be used to Report the Logstreams
//* (C) YCOS Yves Colliard Software GmbH 2009-11
//*-------------------------------------------------------
//LOGSRPT   EXEC PGM=IXCMIAPU,REGION=0M
//SYSPRINT  DD SYSOUT=*         Output of IXCMIAPU
//SYSIN     DD *
 DATA TYPE(LOGR) REPORT(NO)
 LIST LOGSTREAM NAME(IFASMF.BASE) DETAIL(YES)
/*
```

Figure 8: RDB:Report-Detail – Batch

The SYSPRINT DDName will contain the output of the display.

Output can also be sent to a dataset.

```
//*SYSPRINT DD DISP=(,CATLG),   Output of IXCMIAPU"
//*          DSN=your.data.set,  <=================="
//*          SPACE=(TRK,(15,15),RLSE),LRECL=132,"
//*          RECFM=FB"
```

2.2.3 D:LOGS-Definition

The option D:LOGS-Definition displays the needed JCL to allocate *(delete/update)* the selected Logstream.
This function can be executed for all type of Logstreams.

```
Please correct the JCL and Submit
  - Change Job Card
  - Select and Change the needed information

//YCMIAPU  JOB 'ACCT#',YVES,CLASS=A,MSGCLASS=X,NOTIFY=YVES
//*-------------------------------------------------------------
//* This job can be used to define a logstream
//* (C) YCOS Yves Colliard Software GmbH 2009-11
//*-------------------------------------------------------------
//*DEFINITION STATEMEMENTS FOR LOGSTREAM
//*       -> IFASMF.BASE
//STEPMIAP EXEC PGM=IXCMIAPU
//SYSPRINT DD   SYSOUT=*
//SYSABEND DD   SYSOUT=*
//SYSIN    DD   *
     DATA TYPE(LOGR) REPORT(YES)
  /* ................... LOGSTREAM NUMBER: 10 ................... */
  /* DELETE LOGSTREAM NAME(SYSPLEX.LOGREC.ALLRECS) */
  /* UPDATE LOGSTREAM NAME(SYSPLEX.LOGREC.ALLRECS) */
  /*         NEWSTREAMNAME(SYSPLEX.LOGREC.ALLRECS.?) */
     DEFINE LOGSTREAM NAME(SYSPLEX.LOGREC.ALLRECS)
  /* ATTENTION LOGR POLICY CHANGES PENDING! */
  /*           HIGHOFFLOAD(72)              */
  /*           LOWOFFLOAD(0)                */
  /* LOGSTREAM HAVE 1 CONNECTION(S)         */
  /*   CONNECTED TO YVES                    */
            HLQ(LOGR)
            MODEL(NO)
            LS_SIZE(1000)
            STG_SIZE(1500)
            LOWOFFLOAD(0)
            HIGHOFFLOAD(80)
            STG_DUPLEX(YES)
            DUPLEXMODE(UNCOND)
            RETPD(10)
            AUTODELETE(NO)
            OFFLOADRECALL(YES)
            DASDONLY(YES)
            DIAG(NO)
            LOGGERDUPLEX(UNCOND)
            GROUP(PRODUCTION)
            MAXBUFSIZE(65532)
  /* ============================================================ */
/*
```

Figure 9: D:LOGS-Definition – Display – Beispiel

The DB option is the same as the D option! This option has only a batch interface.

2.2.4 DA:LOGS-Defs-All

The option DA:LOGS-Definition displays the needed JCL to allocate *(delete/update)* all displayed *(depending on the mask)* Logstreams.
This function can be executed for all type of Logstreams.

```
Please correct the JCL and Submit
  - Change Job Card
  - Select and Change the needed information

//YCMIAPU  JOB 'ACCT#',YVES,CLASS=A,MSGCLASS=X,NOTIFY=YVES
//*-------------------------------------------------------
//* This job can be used to define a logstream
//* (C) YCOS Yves Colliard Software GmbH 2009-11
//*-------------------------------------------------------
//*DEFINITION STATEMEMENTS FOR LOGSTREAM
//*       ALL LOGSTREAMS
//*       MASK=*.*.*.*
//STEPMIAP EXEC PGM=IXCMIAPU
//SYSPRINT DD   SYSOUT=*
//SYSABEND DD   SYSOUT=*
//SYSIN    DD   *
     DATA TYPE(LOGR) REPORT(YES)
  /* ................... LOGSTREAM NUMBER: 1 ..................... */
  /* DELETE LOGSTREAM NAME(ATR.ADCDPL.ARCHIVE) */

...

  /* ============================================================ */
  /* ................... LOGSTREAM NUMBER: 15 .................... */
  /* DELETE LOGSTREAM NAME(ZZZZZZZ.LOGREC.ALLRECS.Y) */

...
```

Figure 10: D:LOGS-Definition – Display – Beispiel

The DAB option is the same as the DA option! This option has only a batch interface.

2.2.5 Q:SMF

The option Q:SMF queries the selected SMF Logstream on the current System and displays the information collected.
This function can only be executed against SMF Logstreams.
Trying to use the Q or QB line command against a non-SMF Logstream will produce following message:

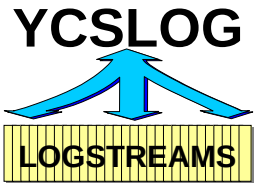
```
Selected row is not a SMF Logstream!
```

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------
 BROWSE    SYS11071.T195139.RA000.YVES.R0100049       Line 00000000 Col 001 080
 Command ===> _____________________________________________ Scroll ===> PAGE
******************************** Top of Data ********************************
SMF Logstream Information on System YVES

SMF Logstream IFASMF.BASE selected

System: YVES     SID: SYS1
Logstream IFASMF.BASE
  254 Records  :   0: 18-***- 20: 98-***-100:255
  Last TOD Write: 12/03/2011 20:17:37.974440
  Status        : Active/Connect
  Buffer Size   : 65532

(C) YCOS Yves Colliard Software GmbH 2009-11
******************************** Bottom of Data ******************************
```

Figure 11: Q:SMF – Display

Following information will be displayed:

- SMF Logstream Information on System …: name of the current system
- SMF Logstream … selected: name of the selected Logstream
- System: … SID: …: System-name and SMF system ID
- Logstream …: Information about the selected Logstream
  - … Records : …
    - Number of selected records
    - Selection output – samples:
      - 0: 18-***- 20: 98-***-100:255
        - Records 0 to 18
        - *** - Gap
        - Records 20 tos 98
        - *** - Gap
        - 100:255
      - ***- 80: 83-***- 89-***-135-136-***-247-***
        - *** - Gap
        - Records 80 to 83



- *** - Gap
- Record 89
- *** - Gap
- Records 135 to 136
- *** - Gap
- Record 247
- *** - Gap

- Last TOD Write: tt/mm/jjjj hh:mm:ss.ssssss
  - Last date/time of a write to the logstream
- Status : Active/Connect
  - State of the Logstream – a state of “Active/Connect” should be shown!
- Buffer Size : 65532
  - Other buffer sizes are not “usual“ – see IXCMIAPU Define Logstream MAXBUFSIZE!

The QB – Q Batch – will provide following JCL:

```
Please correct the JCL and Submit
  - Change Job Card
  - Select and Change the needed information

//YCSMFQRY JOB 'ACCT#',YVES,CLASS=A,MSGCLASS=X,NOTIFY=YVES
//*-------------------------------------------------------
//* This job can be used to query SMF Logstream
//* (C) YCOS Yves Colliard Software GmbH 2009-11
//*-------------------------------------------------------
//SMFQRY    EXEC PGM=IKJEFT01,REGION=0M,
//          PARM='YCSMFQRX IFASMF.BASE '
//*                       Logstream Name - Parm 1
//SYSPROC   DD DISP=SHR,DSN=&USR..YCSLOG.REXX
//             current ISPF concatenation will be inserted
//SMFQRY    DD SYSOUT=*      Output of REXX
//SYSTSPRT  DD SYSOUT=*
//SYSTSIN   DD DUMMY
//SYSUDUMP  DD SYSOUT=*
```

Figure 12: QB:SMF – Batch

The SMFQRY DDName will contain the output of the display.

Output can also be sent to a dataset.

```
//*SMFQRY  DD DISP=(,CATLG),   Output of Rexx
//*         DSN=your.data.set,  <=================
//*         SPACE=(TRK,(15,15),RLSE),LRECL=256,
//*         RECFM=FB
```

2.2.6 QA:SMF-All

The option QA:SMF-All queries all SMF Logstreams on the current System and displays the information collected.
This function can only be executed against SMF Logstreams. Trying to use the QA or QAB line command against a non-SMF Logstream will produce following message:

```
Selected row is not a SMF Logstream!
```

```
   Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------
 BROWSE    SYS11071.T202148.RA000.YVES.R0100070       Line 00000000 Col 001 080
 Command ===> _____________________________________________ Scroll ===> PAGE
******************************** Top of Data ********************************
SMF Logstream Information on System YVES

All SMF Logstreams selected

System: YVES     SID: SYS1
Logstream Number 1 - IFASMF.BASE
  254 Records  :   0: 18-***- 20: 98-***-100:255
  Last TOD Write: 12/03/2011 21:11:46.346872
  Status        : Active/Connect
  Buffer Size   : 65532
Logstream Number 2 - IFASMF.YVES.RACF
    8 Records  : ***- 80: 83-***- 89-***-135-136-***-247-***
  Last TOD Write: 01/01/1900 00:00:00.000000
  Status        : Active/Connect
  Buffer Size   : 65532
Logstream Number 3 - IFASMF.YVES.SCRT
    2 Records  : ***- 70-***- 89-***
  Last TOD Write: 01/01/1900 00:00:00.000000
  Status        : Active/Connect
  Buffer Size   : 65532
(C) YCOS Yves Colliard Software GmbH 2009-11
****************************** Bottom of Data ******************************
```

Figure 13: QA:SMF-All – Display

Display information about all SMF-Logstreams on the current system. The description of the collected data can be found under Option Q page 20.

The QAB – QA Batch – will provide following JCL:

```
Please correct the JCL and Submit
  - Change Job Card
  - Select and Change the needed information

//YCSMFQRY JOB 'ACCT#',YVES,CLASS=A,MSGCLASS=X,NOTIFY=YVES
//*-------------------------------------------------------
//* This job can be used to query SMF Logstream
//* (C) YCOS Yves Colliard Software GmbH 2009-11
//*-------------------------------------------------------
//SMFQRY    EXEC PGM=IKJEFT01,REGION=0M,
//          PARM='YCSMFQRX * '
//*                        Logstream Name - Parm 1
//SYSPROC   DD DISP=SHR,DSN=&USR..YCSLOG.REXX
//             current ISPF concatenation will be inserted
//SMFQRY    DD SYSOUT=*      Output of REXX
//SYSTSPRT  DD SYSOUT=*
//SYSTSIN   DD DUMMY
//SYSUDUMP  DD SYSOUT=*
```

Figure 14: QAB:SMF-All – Batch

The SMFQRY DDName will contain the output of the display.

Output can also be sent to a dataset.

```
//*SMFQRY  DD DISP=(,CATLG),   Output of Rexx
//*         DSN=your.data.set,  <=================
//*         SPACE=(TRK,(15,15),RLSE),LRECL=256,
//*         RECFM=FB
```

2.2.7 QS:SMF-Plex

The option QS:SMF-Plex queries the selected SMF Logstream on all systems within the sysplex and displays the information collected

To use this function YCPlex must be active on all systems within the sysplex!

This function can only be executed against SMF Logstreams. Trying to use the QS or QSB line command against a non-SMF Logstream will produce following message:

```
Selected row is not a SMF Logstream!
```

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------
 BROWSE    SYS11071.T202148.RA000.YVES.R0100070       Line 00000000 Col 001 080
 Command ===> ____________________________________________ Scroll ===> PAGE
******************************** Top of Data ********************************
SMF Logstream Information in Sysplex YVESPL

SMF Logstream IFASMF.BASE selected

System: YVES     SID: SYS1 <== Current System
Logstream IFASMF.BASE
  254 Records  :   0: 18-***- 20: 98-***-100:255
  Last TOD Write: 12/03/2011 20:17:37.974440
  Status        : Active/Connect
  Buffer Size   : 65532

System: HUGO     SID: SYS2
Logstream IFASMF.BASE
  254 Records  :   0: 18-***- 20: 98-***-100:255
  Last TOD Write: 12/03/2011 20:14:22.134432
  Status        : Active/Connect
  Buffer Size   : 65532

(C) YCOS Yves Colliard Software GmbH 2009-11
****************************** Bottom of Data ******************************
```

Figure 15: QS:SMF-Plex – Display

Display information about the selected SMF-Logstream within the sysplex. The description of the collected data can be found under Option Q page 20.

The QSB – QS Batch – will provide following JCL:

```
Please correct the JCL and Submit
  - Change Job Card
  - Select and Change the needed information

//YCSMFQRY JOB 'ACCT#',YVES,CLASS=A,MSGCLASS=X,NOTIFY=YVES
//*-------------------------------------------------------
//* This job can be used to query SMF Logstream
//* (C) YCOS Yves Colliard Software GmbH 2009-11
//*-------------------------------------------------------
//SMFQRY    EXEC PGM=IKJEFT01,REGION=0M,
//          PARM='YCSMFQRX IFASMF.BASE SYSPLEX'
//*                        Logstream Name - Parm 1
//*                                SYSPLEX - Parm 2
//SYSPROC   DD DISP=SHR,DSN=&USR..YCSLOG.REXX
//             current ISPF concatenation will be inserted
//SMFQRY    DD SYSOUT=*      Output of REXX
//SYSTSPRT  DD SYSOUT=*
//SYSTSIN   DD DUMMY
//SYSUDUMP  DD SYSOUT=*
```

Figure 16: QSB:SMF-Plex – Batch

The SMFQRY DDName will contain the output of the display.

Output can also be sent to a dataset.

```
//*SMFQRY  DD DISP=(,CATLG),   Output of Rexx
//*         DSN=your.data.set,  <=================
//*         SPACE=(TRK,(15,15),RLSE),LRECL=256,
//*         RECFM=FB
```

2.2.8 QSA:SMF-Plex-All

The option QSA:SMF-Plex-All queries all SMF Logstream on all systems within the sysplex and displays the information collected.

To use this function YCPlex must be active on all systems within the sysplex!

This function can only be executed against SMF Logstreams. Trying to use the QSA or QSAB line command against a non-SMF Logstream will produce following message:

```
Selected row is not a SMF Logstream!
```

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------
 BROWSE    SYS11071.T202148.RA000.YVES.R0100070       Line 00000000 Col 001 080
 Command ===> ____________________________________________ Scroll ===> PAGE
******************************** Top of Data ********************************
SMF Logstream Information in Sysplex YVESPL

All SMF Logstreams selected

System: YVES     SID: SYS1 <== Current System
Logstream Number 1 - IFASMF.BASE
  254 Records  :   0: 18-***- 20: 98-***-100:255
  Last TOD Write: 12/03/2011 21:11:46.346872
  Status        : Active/Connect
  Buffer Size   : 65532
Logstream Number 2 - IFASMF.YVES.RACF
    8 Records  : ***- 80: 83-***- 89-***-135-136-***-247-***
  Last TOD Write: 01/01/1900 00:00:00.000000
  Status        : Active/Connect
  Buffer Size   : 65532
Logstream Number 3 - IFASMF.YVES.SCRT
    2 Records  : ***- 70-***- 89-***
  Last TOD Write: 01/01/1900 00:00:00.000000
  Status        : Active/Connect
  Buffer Size   : 65532

System: HUGO     SID: SYS2
Logstream Number 1 - IFASMF.BASE
...
```

Figure 17: QSA:SMF-Plex-All – Display

Display information about all SMF-Logstream within the sysplex. The description of the collected data can be found under Option Q page 20.

The QSAB – QSA Batch – will provide following JCL:

```
Please correct the JCL and Submit
  - Change Job Card
  - Select and Change the needed information

//YCSMFQRY JOB 'ACCT#',YVES,CLASS=A,MSGCLASS=X,NOTIFY=YVES
//*-------------------------------------------------------
//* This job can be used to query SMF Logstream
//* (C) YCOS Yves Colliard Software GmbH 2009-11
//*-------------------------------------------------------
//SMFQRY    EXEC PGM=IKJEFT01,REGION=0M,
//          PARM='YCSMFQRX * SYSPLEX'
//*                        Logstream Name - Parm 1
//*                                SYSPLEX - Parm 2
//SYSPROC   DD DISP=SHR,DSN=&USR..YCSLOG.REXX
//             current ISPF concatenation will be inserted
//SMFQRY    DD SYSOUT=*      Output of REXX
//SYSTSPRT  DD SYSOUT=*
//SYSTSIN   DD DUMMY
//SYSUDUMP  DD SYSOUT=*
```

Figure 18: QSAB:SMF-Plex-All – Batch

The SMFQRY DDName will contain the output of the display.

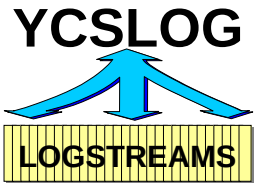
Output can also be sent to a dataset.

```
//*SMFQRY  DD DISP=(,CATLG),   Output of Rexx
//*         DSN=your.data.set,  <=================
//*         SPACE=(TRK,(15,15),RLSE),LRECL=256,
//*         RECFM=FB
```

2.2.9 SU:SMF-Unload

A sample JCL to run the YCSMFLOG – SMF Unload – Utility will be displayed using the SU or SUB option against a SMF Logstream. A sample JCL can also be found within the distributed samplib dataset – see YCSMFLOJ.
The utility uses Rexx-routines for validation and call to the load module YCSMFLOG. The name of the main Rexx-routine is YCSMFLRX.

```
Please correct the JCL and Submit
  - Change Job Card
  - Use YCSMFLRX Macro to check the parameters

//YCSMFLOG JOB 'ACCT#',YVES,CLASS=A,MSGCLASS=X,NOTIFY=YVES
//*-------------------------------------------------------
//* This job can be used to unload records from
//*      SMF Logstreams
//* (C) YCOS Yves Colliard Software GmbH 2009-09
//*-------------------------------------------------------
//* SMF LOGSTREAM UNLOAD UTILITY
//*       -> IFASMF.???
//*-------------------------------------------------------
//* CUSTOMIZE JCL AND PARAMETERS|
//         SET USR=yourusr   <-- CUSTOMIZE
//*-------------------------------------------------------
//SMFLOG   EXEC PGM=IKJEFT01,REGION=0M,PARM='YCSMFLRX'
//*STEPLIB DD DSN=&USR..YCSLOG.LINKLIB,DISP=SHR
//SYSEXEC  DD DISP=SHR,DSN=&USR..YCSLOG.REXX
//             current ISPF concatenation will be inserted
//SYSTSIN  DD DUMMY
//SYSUDUMP DD SYSOUT=*
//* SMFRECS DEFAULT OUTPUT - SEE DDNAME
//SMFRECS  DD DSN=userid.SMF.RECS.Dyymmdd.Thhmmss,
//         DISP=(,CATLG),SPACE=(CYL,(50,50),RLSE)
//*        DISP=SHR
//SMFOUT   DD SYSOUT=*             <-- OPTIONAL
//*        IF NOT GIVEN OUTPUT WILL BE DIRECTED TO SYSTSPRT
//SYSTSPRT DD SYSOUT=*
//SMFIN    DD DATA,DLM=$$  SAMPLE OF ALL SMFIN OPTIONS
*==================================
* LOGS - REQUIRED - UP TO 9
* LS     LOGSTREAM INPUT NAME
*        SYSTEM SYMBOLS CAN BE USED
*LOGS(IFASMF.???)
LS(IFASMF.???)
*----------------------------------
* START_DATE - OPTIONAL
* SD     START DATE FOR SMF SELECTION
*        DEFAULT 01/01/00 - FORM 'E'
*        SUPPORTED FORMAT
*        TT/MM/JJ          EUROPE
*        TT/MM/JJ,'E'      EUROPE
*        JJTTT,'J'         JULIAN
```




```
*        MM/TT/JJ,'U'     USA
*        -R   RELATIVE FROM TODAY
* START_DATE(-R)
* START_DATE(TT/MM/JJ)
* START_DATE(TT/MM/JJ,'E')
* START_DATE(JJTTT,'J')
* SD(MM/TT/JJ,'U')
*-----------------------------------
* START_TIME - OPTIONAL
* ST     START TIME FOR SMF SELECTION
*        DEFAULT 00:00:00
* START_TIME(HH:MM<:SS>)
* ST(HH:MM<:SS>)
*-----------------------------------
* END_DATE - OPTIONAL
* ED     END DATE FOR SMF SELECTION
*        DEFAULT NOW
*        SUPPORTED FORMAT - SEE START_DATE
* ED(...)
*-----------------------------------
* END_TIME - OPTIONAL
* ET     END TIME FOR SMF SELECTION
*        DEFAULT 24:00:00
* END_TIME(HH:MM<:SS>)
* ET(HH:MM<:SS>)
*-----------------------------------
* READ_TIME - OPTIONAL
* RT     TIME TO CONTINUE READING LOGSTREAM FOR SMF RECS
*        DEFAULT MAXDORM (IF GIVEN)
* READ_TIME(HH:MM)
* RT(HH:MM)
*-----------------------------------
* START_RANGE - OPTIONAL
* SR     SELECTION START TIME RANGE WITHIN A DAY
*        DEFAULT 00:00:00
* START_RANGE(HH:MM<:SS>)
* SR(HH:MM<:SS>)
*-----------------------------------
* END_RANGE - OPTIONAL
* ER     SELECTION END TIME RANGE WITHIN A DAY
*        DEFAULT 24:00:00
* END_RANGE(HH:MM<:SS>)
* ER(HH:MM<:SS>)
*===================================
* DDNAME - OPTIONAL
* DD     OUTPUT DDNAME
*        DEFAULT SMFRECS - UP TO 16
* DDNAME(xxxxxxxx)
* DD(xxxxxxxx)
*-----------------------------------
* REC - OPTIONAL
*        RECORD SELECTION
*        CAN BE COMBINED WITH EXREC
*        DEFAULT ALL RECORDS
```

```
* REC(W<,X<,Y:Z<,...>>>)
*-----------------------------------
* EXREC - OPTIONAL
* EX     RECORD EXCLUSION
*        CAN BE COMBINED WITH REC
*        DEFAULT NO RECORDS
* EXREC(W<,X<,Y:Z<,...>>>)
* EX(W<,X<,Y:Z<,...>>>)
*-----------------------------------
* SID - OPTIONAL
*        SID SELECTION
*        DEFAULT ALL SYSTEMS - UP TO 32
*        SYSTEM ID CAN BE GENERIC SY*
* SID(SID1<,SID2<,...>>>)
*-----------------------------------
* STAT - OPTIONAL
*        WITH OR WITHOUT RECORD STATISTICS
*        DEFAULT NO ON SMFRECS
*        DEFAULT YES ON DDNAME GIVEN
* STAT(Y/N)
*===================================
* REMOTE - OPTIONAL
*        DASDONLY REMOTE UNLOAD
*        DEFAULT YES
* REMOTE(Y/N)
*-----------------------------------
* PREFIX - OPTIONAL
*        DASDONLY REMOTE UNLOAD
*        TEMPORARY DATASET PREFIX
*        DEFAULT
*          TSO PREFIX
*          OR USERID
*        MAX 14 CHARACTERS
* PREFIX(HLQ)
* PREFIX(HLQ.LLQ)
*-----------------------------------
* TIMEOUT - OPTIONAL
*        DASDONLY REMOTE UNLOAD
*        TIMEOUT FOR YCPLEX RESP
*        DEFAULT 20 MINUTES
*        MAX 1440 MINUTES
* TIMEOUT(xxxx)
*-----------------------------------
* USER1   - OPTIONAL
*        SUPPORT USER1 EXIT
*        DEFAULT NONE
* USER1(USR1EXIT)
*-----------------------------------
* USER2   - OPTIONAL
*        SUPPORT USER1 EXIT
*        DEFAULT NONE
* USER2(USR2EXIT)
*-----------------------------------
* USER3   - OPTIONAL
```

```
*         SUPPORT USER1 EXIT
*         DEFAULT NONE
* USER3(USR3EXIT)
*==================================
$$
```

Figure 19: YCSMFLOG – Sample SMF Unload

Description of the JCL:

1. EXEC: the REXX YCSMFLRX will be run under TSO Batch
2. **STEPLIB**: will not be needed if YCSLOG has been installed within the Linklist
3. **SYSPROC/SYSEXEC: customize if needed**
4. SYSTSPRT, SYSTSIN and SYSUDUMP: standard TSO DDNames
5. **SMFRECS: customize if needed** – SMFRECS is the default DDName for output;. The DDName(s) can be changed using the DDNAME parameter.
6. SMFOUT: optional – default SYSTSPRT – standard DDName for the messages of YCSMFLOG. Coding SMFOUT will separate the standard TSO messages from the YCSMFLOG messages – recommended
7. SMFIN: Required – standard DDName for the control parameters of YCSMFLOG

Description of the SMFIN parameters/keywords:

1. *****: coded in position 1 will be treated as a comment
   a. Optional

2. **LOGS**: Name of the selected Logstream
   a. Required
   b. minimum 1 – maximum 9 LOGS parameters can be given
      i. for every Logstream a date/time range for the unload can be selected
      ii. if many Logstreams are given, the will be read sequentially! The data will not be in date/time sequence!
   c. System symbols are supported
      Symbols substitution will be done on the system where the job is executed!
   d. Abbreviation **LS**
   e. Samples:
      i. `LOGS(IFASMF.BASE)`
      ii. `LS(IFASMF.&SYSNAME..RACF)`

3. **START_DATE**: Unload start date
   a. Optional – sub-keyword of LOGS
   b. Default 01/01/00 – European
   c. Format:
      i. START_DATE(-n)
      or

SD(-n)
relative date format; -1 = yesterday

ii. START_DATE(TT/MM/JJ)
or
START_DATE(TT/MM/JJ,"E")
or
SD(TT/MM/JJ)
or
SD(TT/MM/JJ,"E")
European date format

iii. START_DATE(JJTTT,"J")
or
SD(JJTTT,"J")
Julian date format

iv. START_DATE(MM/TT/JJ,"U")
or
SD(MM/TT/JJ,"U")
USA date format

d. Abbreviation **SD**
e. Samples:
   i. `START_DATE(-2)`
   2 days before
   ii. `SD(25/07/09)`
   European format – the 25. July 2009

4. **START_TIME**: unload start time
   a. Optional – sub-keyword of LOGS
   b. Default 00:00:00
   c. Format:
      i. START_TIME(hh:mm[:ss])
      or
      ST(hh:mm[:ss])
      Seconds are optional
   d. Abbreviation **ST**
   e. Samples:
      i. `START_TIME(10:15)`
      ii. `ST(09:03:13)`

5. **END_DATE**: unload end date
   a. Optional – sub-keyword of LOGS
   b. Default today
   c. Format:
      i. END_DATE(-n)
      or

ED(-n)
relative date format; -1 = yesterday

ii. END_DATE(TT/MM/JJ)
or
END_DATE(TT/MM/JJ,"E")
or
ED(TT/MM/JJ)
or
ED(TT/MM/JJ,"E")
European date format

iii. END_DATE(JJTTT,"J")
or
ED(JJTTT,"J")
Julian date format

iv. END_DATE(MM/TT/JJ,"U")
or
ED(MM/TT/JJ,"U")
USA date format

d. Abbreviation **ED**
e. Samples:
   i. `END_DATE(-2)`
   2 days before
   ii. `ED(25/07/09)`
   European format – the 25. July 2009

6. **END_TIME**: unload end time
   a. Optional – sub-keyword of LOGS
   b. Default 24:00:00
   c. Format:
      i. END_TIME(hh:mm[:ss])
      or
      ET(hh:mm[:ss])
      Seconds are optional
   d. Abbreviation **ET**
   e. Samples:
      i. `END_TIME(10:15)`
      ii. `ET(09:03:13)`

7. **READ_TIME**: time for stopping reading the logstream
   a. Optional – sub-keyword of LOGS
   b. Default MAXDORM + 1 minute *(if given in SMFPRMxx)*
   c. Format:
      i. READ_TIME(hh:mm)
      or

ii. RT(hh:mm)

d. Abbreviation **RT**

e. Samples:

i. `READ_TIME(01:00)`
Read logstream 1 hour longer than End_Time

ii. `RT(00:30)`
Read logstream 30 minutes longer than End_Time

8. **START_RANGE**: begin of a time range to be unloaded *(see END_RANGE)*. These parameters can be used to select a time window within a longer date period *(many days)*

a. Optional – sub-keyword of LOGS

b. Default 00:00:00

c. Format:

i. START_RANGE(hh:mm[:ss])
or
SR(hh:mm[:ss])
Seconds are optional

d. Abbreviation **SR**

e. Samples:

i. `START_RANGE(10:00)`
Select data from 10:00:00

ii. `SR(08:00:30)`

9. **END_RANGE**: end of a time range to be unloaded *(see START_RANGE)*. These parameters can be used to select a time window within a longer date period

a. Optional – sub-keyword of LOGS

b. Default 24:00:00

c. Format:

i. END_RANGE(hh:mm[:ss])
or
ER (hh:mm[:ss])
Seconds are optional

d. Abbreviation **ER**

e. Samples

i. `END_RANGE(11:00)`
Select data up to 11:00:00

ii. `ER(08:00:50)`

10. **DDNAME**: Namen des Output DDName

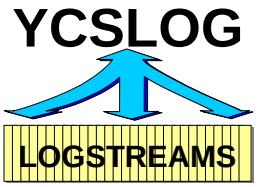
a. Optional

b. Default SMFRECS – 2 output formats are currently supported:

i. RECFM=VB, LRECL=32756 and BLKSIZE=32760 – Default

ii. RECFM=VBS, LRECL=32760 and BLKSIZE=27998

1. VBS will only supported on customer request



c. A maximum of 16 DDNAME keywords can be used
    i. All Logstreams data read will be distributed on all possible DDNames!
    ii. If no DDNAME keyword are given, than following defaults will be used:
        1. DDNAME(SMFRECS)
        2. REC(0:255)
        3. STAT(N)
d. Abbreviation **DD**
e. Samples:
    i. `DDNAME(OUTDD1)`
    ii. `DD(HUGO)`

11. **REC**: selection of the wanted SMF records – only records found within the different LOGS defined logstreams can be selected and written!
    a. Optional – sub-keyword of DDNAME
    b. Default 0:255 – all records
    c. Can be combined with the EXREC keyword
    d. Format:
        i. REC(W<,X<,Y:Z<,...>>>)
    e. Abbreviation **REC**
    f. Samples:
        i. `REC(4,7,70:78)`
        ii. `REC(29,80)`

12. **EXREC**: excluded SMF Records
    a. Optional – sub-keyword of DDNAME
    b. Default – no Records will be excluded
    c. Can be combined with the REC keyword
    d. Format:
        i. EXREC(W<,X<,Y:Z<,...>>>)
    e. Abbreviation **EX**
    f. Samples
        i. `EXREC(71)`
        ii. `EX(80:83)`

13. **SID**: System Name selection
    a. Optional – sub-keyword of DDNAME
    b. Maximum number of SID Parameters is 32
    c. Default all systems – *
    d. Generic format „*“ is supported
    e. Format:
        i. SID(sid1<,sid2<,sid3<,...>>>)
    f. Abbreviation **SID**
    g. Samples:

i. `SID(YVE1,YVE4)`
ii. `SID(YV*)`

14. **STAT**: report about record statistics
    a. Optional – sub-keyword of DDNAME
    b. Default
        i. NO when default SMFRECS is used
        ii. YES for any DDNAME parameter given (even DDNAME SMFRECS!)
    c. Format:
        i. STAT(Y/N)
    d. Abbreviation **STAT**
    e. Samples:
        i. `STAT(Y)`
        ii. `STAT(N)`

15. **REMOTE**: control usage of remote unload for DASDONLY Logstreams connected to an other system within the sysplex
    a. Optional
    b. Default YES
    c. Format:
        i. REMOTE(Y/N)
    d. Abbreviation **REMOTE**
    e. Sample:
        i. `REMOTE(N)`
        do not allow remote processing

16. **PREFIX**: control usage of remote unload for DASDONLY Logstreams connected to an other system within the sysplex – the high level qualifier of the temporary datasets can be given
    a. Optional – sub-keyword of REMOTE(Y)
    b. Maximum 14 characters; many qualifiers supported
    c. Default
        i. TSO Prefix if given
        or
        ii. Userid
    d. Format:
        i. PREFIX(hlq)
        ii. PREFIX(hlq.llq<.llq>)
    e. 2 datasets will automatically created and deleted during the remote processing:
        i. prefix. YCSLOG.SMFIN.Djjmmtt.Thhmmss
        ii. prefix. YCSLOG.SMFOUT.Djjmmtt.Thhmmss
    f. Abbreviation **PREFIX**
    g. Samples:

i. `PREFIX(YCOS)`
ii. `PREFIX(YCOS.TEMP)`

17. **TIMEOUT**: control usage of remote unload for DASDONLY Logstreams connected to an other system within the sysplex – the maximum Wait Time for a response for the remote system can be given in minutes
    a. Optional – sub-keyword of REMOTE(Y)
    b. maximum 1440 minutes
    c. Default 20 minutes
    d. Format:
        i. TIMEOUT(MMMM)
    e. Abbreviation **TIMEOUT**
    f. Samples:
        i. `TIMEOUT(10)`
        ii. `TIMEOUT(60)`

18. **USERx**: YCSMFLOG support the usage of exits, like IFASMFDL do. The parameters USER1, USER2 and USER3 can be used.
    a. Optional – if given it will be used for all given LOGS logstreams
    b. Default no user exit
    c. Format:
        i. USER1(module)
        Specifies the name of an installation-routine that is given control after each record is read and the counters incremented.
        ii. USER2(module)
        Specifies the name of the installation-written routine that is given control when the SMF log dump program selects a record to be written.
        iii. USER3(module)
        Specifies the name of the installation-written exit routine that is given control after the output data set is closed. This routine is invoked for each output data set
    d. Abbreviation **USER1** **USER2** **USER3**
    e. Samples:
        i. `USER1(MYEXIT1)`

Sample SMFIN:

```
//SMFIN    DD DATA
LS(IFASMF.BASE)
* select and read IFASMF.BASE
SD(24/8/9)
* from date 24. August 2009
ED(24/9/9)
* to date 24. September 2009
SR(10:00)
ER(18:00)
```

```
* within a range from 10:00 to 18:00 every day
DD(SMFRECS)
* output will be written to DDName SMFRECS
REC(4,20:60,92)
EX(42)
* records 4 and 20 to 41 and 43 to 60 and 92 will be selected
```

Figure 20: YCSMFLOG – Sample SMFIN Input

Sample SMFOUT:

```
YCSMFLOG run 27 Mar 2011 - 18:30:57 - with parameter - on System TST2
=====================================================================
Logstream      1: IFASMF.ADCD.BASE
  Start date   1: 26/03/11 - Relative - European -1
  Start time   1: 00:00:00 - Default
  End date     1: 27/03/11 - European - Default
  End time     1: 23:59:59 - Default
  Read time    1: 00:31:00 - Default MAXDORM + 1 Min.
  Start range  1: 00:00:00 - Default
  End range    1: 24:00:00 - Default
---------------- -------------------------------------------
DDName         01: SMFRECS - Default
  Records      01: ALL - Default
  System IDs   01: ALL - Default
  Statistics   01: No  - Default
---------------- -------------------------------------------
YCSMFLOG results 27 Mar 2011 - 18:30:58  - on System TST2
=========================================================
Numb. Logstreams: 1
  Logstream     : 1 - IFASMF.TST2.BASE
    Number Reads:             5.980
    Numb. Writes:             1.749
    Number 2Long:                 0
---------------- ----------------
Number DDNames  :  1
  DDName        :  1 - SMFRECS
    Numb. Writes:             1.749
    Rec    Number Writes        Number Bytes
      4               20               6.460
     20               17               1.613
     26               12               5.364
     30               53              53.034
     40              837              61.962
     41               53              19.716
     60              120              40.636
     92              637             135.232
  ----- ---------------- ------------------
  T#  8            1.749             324.017
  ----- ---------------- ------------------
```

Figure 21: YCSMFLOG – Sample SMFOUT Output

The utility is also able to unload DASDONLY Logstreams connected to another LPAR within the sysplex. To be able to use this feature following special requirements have to be fulfilled:

- A connect to a SMF Logstream with an error RC=8 RSN=8E2 *(IxgRsncodeDasdOnly-Connected)* will – if not restricted *(see REMOTE Parameter)*, – use YCPLex to redirect the download to the connected LPAR
- To use this function YCPlex must be active on the related systems within the sysplex
- 3 parameters can be used to control this function: see REMOTE, PREFIX und TIMEOUT
- This function requires 2 temporary datasets and AXR *(System Rexx)* must have Alter authority to these datasets
- The output datasets have following restrictions:
    - Following output datasets are not supported; if used running the REMOTE function will be aborted:
        - GDGs
        - PO
        - Tape
        - Temporary datasets
    - The output datasets must be cataloged
    - The output dataset (also catalog) must be accessible from the remote LPAR.

Sample SMFOUT – DASDONLY Logstream remote run:

```
YCSMFLOG run 8 Oct 2009 - 16:20:25 - with parameter - on System YVES
=====================================================================
Logstream       1: IFASMF.HUGO.BASE
  Start date    1: 08/10/09 - European - Default
  Start time    1: 00:00:00 - Default
  End date      1: 08/10/09 - European - Default
  End time      1: 23:59:59 - Default
  Read time     1: 00:31:00 - Default MAXDORM + 1 Min.
  Start range   1: 00:00:00 - Default
  End range     1: 24:00:00 - Default
----------------- -------------------------------------------
DDName         01: SMFRECX
  Records      01: <-> 030 <->
  SIDs         01: ALL - Default
  Statistics   01: Yes - Default
----------------- -------------------------------------------
DDName         02: SMFRECY
  Records      02: 000:098 100:255
  SIDs         02: ALL - Default
  Statistics   02: Yes - Default
----------------- -------------------------------------------
YCSMFLOG results 8 Oct 2009 - 16:20:28  - on System YVES
=====================================================
R15: 8 - Return Code: 00000008 - Reason Code: 000008E2 - Info Code: CONNLOG
DASDONLY Logstream connected on other System.
  Remote run initiated on HUGO 16:20
```

```
PREFIX: YVES.TEMP used for allocation of temporary datasets
  SMFIN : 'YVES.TEMP.YCSLOG.SMFIN.D091008.T162028'
  SMFOUT: 'YVES.TEMP.YCSLOG.SMFOUT.D091008.T162028'
YCSMFLOG results 8 Oct 2009 - 16:20:31  - on System HUGO
============================================================
Numb. Logstreams: 1
  Logstream     : 1 - IFASMF.HUGO.BASE
    Number Reads:             1.006
    Numb. Writes:             1.051
    Number 2Long:                 0
----------------- ----------------
Number DDName   :  2
  DDName        : 01 - SMFRECX
    Numb. Writes:                45
    Rec    Number Writes        Number Bytes
     30               90              96.952
  ----- ---------------- -------------------
  DDName        : 02 - SMFRECY
    Numb. Writes:             1.006
    Rec    Number Writes        Number Bytes
      4               30              11.474
  ...
     92              142              30.104
  ----- ---------------- -------------------
  ...
```

Figure 22: YCSMFLOG – Sample SMFOUT Output – DASDONLY remote

The Rexx Utility YCSMFLRX can also be used as an edit macro to check the given keywords within SMFIN. This function is very useful to avoid problems during the run.
Only the non-e”X”cluded lines will be checked – this can be used for instance prior a Submit NX.

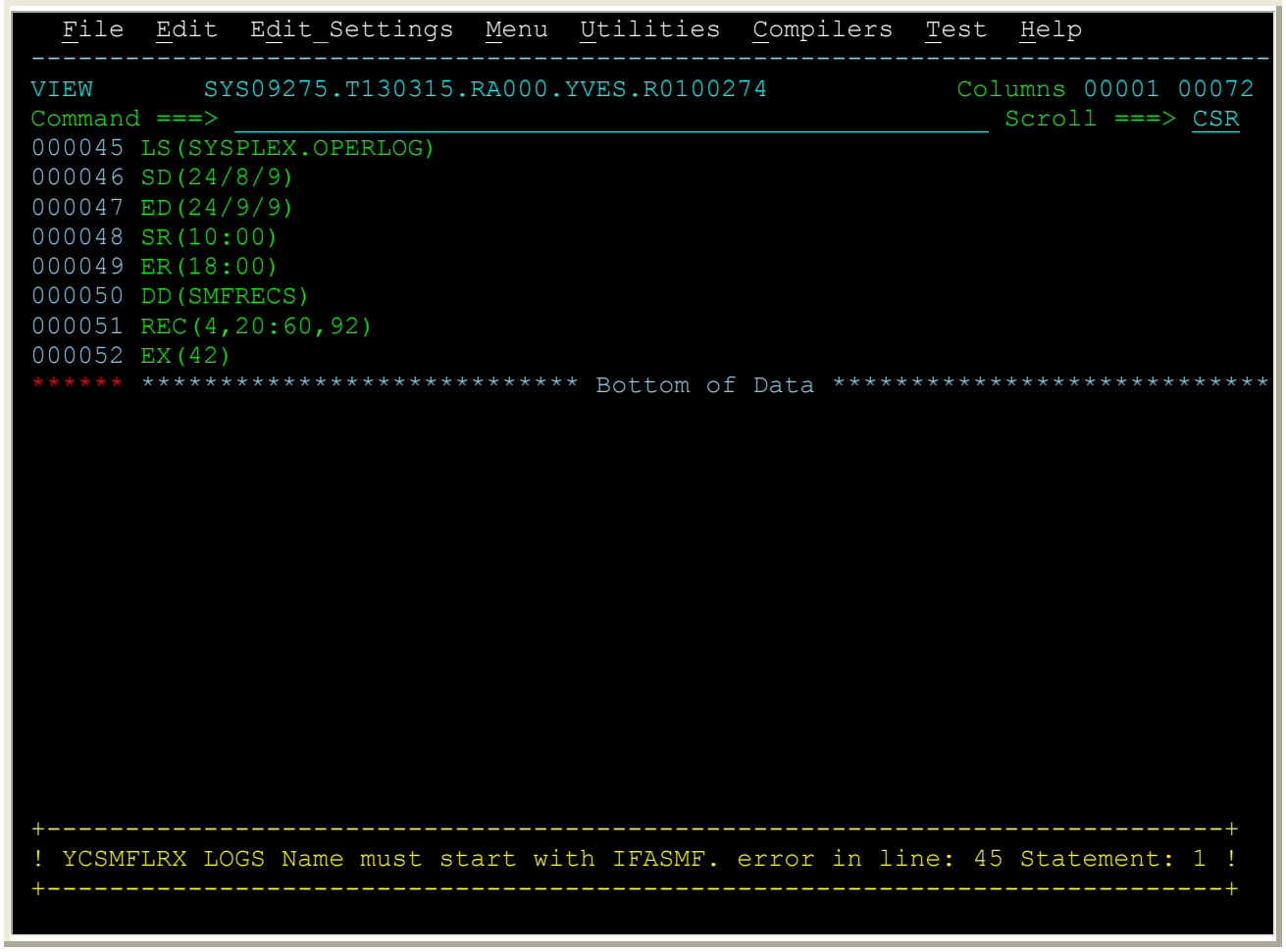


Figure 23: YCSMFLRX – Sample Check Parameter – Error

```
  File  Edit  Edit_Settings  Menu  Utilities  Compilers  Test  Help
--------------------------------------------------------------------------------
VIEW       SYS09275.T130315.RA000.YVES.R0100274           Columns 00001 00072
Command ===> ____________________________________________ Scroll ===> CSR
000044 //SMFIN    DD DATA,DLM=$$  SAMPLE OF ALL SMFIN OPTIONS
====== *YCSMFLOG run 2 Oct 2009 - 13:34:37 - with check parameter
====== *=============================================================
====== *Logstream      1: IFASMF.BASE
====== *  Start date   1: 24/08/09 - European
====== *  Start time   1: 00:00:00 - Default
====== *  End date     1: 24/09/09 - European
====== *  End time     1: 23:59:59 - Default
====== *  Read time    1: 00:31:00 - Default MAXDORM + 1 Min.
====== *  Start range  1: 10:00:00
====== *  End range    1: 18:00:00
====== *----------------- -------------------------------------------
====== *DDName        01: SMFRECS
====== *  Records     01: <-> 004 020:041 043:060 <-> 092 <->
====== *  SIDs        01: ALL - Default
====== *  Statistics  01: Yes - Default
====== *----------------- -------------------------------------------
000045 LS(IFASMF.BASE)
000046 SD(24/8/9)
000047 ED(24/9/9)
000048 SR(10:00)
000049 ER(18:00)
000050 DD(SMFRECS)
000051 REC(4,20:60, +----------------------------------+
000052 EX(42)       ! YCSMFLRX - Check done on 8 lines !
000053 $$           +----------------------------------+
****** ***************************** Bottom of Data ****************************
```

Figure 24: YCSMFLRX – Sample Check Parameter – Successful

2.2.10 B:Browse

The option B:Browse option can be used to browse the content of the selected logstreams.

This function will have different behavior depending on the Logstream type:

1. Operlog: using OPERLOG Viewer. A selection panel will be displayed to select some date and time ranges, messages…
   a. Operlog Logstreams created by z/OSMF incident log processing will also processed in the same way *(CEA – Common Event Adapter)*
2. Logrec: using IBM EREP interface. A selection panel will be displayed to select some date and time ranges
   a. Operlog Logstreams created by z/OSMF incident log processing will also processed in the same way *(CEA – Common Event Adapter)*
3. Others: display of the raw data of the Logstream. A selection panel will be displayed to select some date and time ranges

Operlog sample – see Operlog Viewer User's Guide

```
  Menu  Utilities  Operlog Options  Start Time  Start Date  Help
------------------ OPERLOG Viewer - SYSLOG - Search Utility ------------------
Option ===>
          > ENTER   - to start the search of SYSPLEX.OPERLOG
          > Type R  - to refresh the dates and times
          > Type B  - to create a batch job - background
          > Type W  - to query the selectable time range
    - Select Date & Time, System, Jobname, Job Id, Msg Id, Text
       Today : 27.03.11 - 2011086 Def
   Start date: 27.03.11 - 2011086 Today End date: 27.03.11 - 2011089
         time: 19:11:44           -2 Hr     time: *1:11:44
_  System  1: ________    2: ________    3: ________    4:
_  Jobname 1: ________    2: ________    3: ________    4:
_  Job Id  1: ________    2: ________    3: ________    4:
_  Msg Id  1: _________   2: _________   3: _________   4:
_  Text    1: ____________________       2:
   Text    3: ____________________       4:
 / do not select a category
      All Parms are optional (/ do not select)
      System, Jobname, Jobid & Msg Id are generic (Do not Enter *)
Date format DD.MM.JJ or JJJJDDD or relative      Default: Date Start=End=Today
Time format HH:MM:SS or relative or *=all day      Default: End Time=current=*
    Copyright YCOS Yves Colliard Software GmbH - 2003-11 - V2.0
```

Figure 25: B:Browse – Operlog

All other types of Logstreams *(not Operlog)* will first give a possibility to select some date and time ranges

```
  Menu  Utilities  Start Time  Start Date  Help
--------------------- YCOS System Logger Logstreams Search --------------------
Option ===>
          > ENTER   - to start the search of SYSPLEX.LOGREC.ALLRECS
          > Type R  - to refresh the dates and times
          > Type W  - to query the selectable time range
    - Select Date & Time
       Today : 27.03.11 - 2011086 Def
   Start date: 27.03.11 - 2011086 Today End date: 27.03.11 - 2011086
         time: 00:00:00           Zero      time: *9:17:54

Date format DD.MM.JJ or JJJJDDD or relative      Default: Date Start=End=Today
Time format HH:MM:SS or relative or *=all day      Default: End Time=current=*

    Copyright YCOS Yves Colliard Software GmbH - 2011-11 - V2.0
```

Figure 26: B:Browse – Selection

The Browse selection panel offers following options:

1. **ENTER** – to start the search of the selected Logstream – based on the given date and time the selected Logstream will be searched and displayed
2. **R** – Refresh the dates and times – the shown dates and times will be shown again
3. **W** – to query the selectable time range – the same function as the Option O: Offload-DS of the main panel will be executed. This can be used to know which dates/times are available within the Logstream – see O:Offload-DS Page 11.

The Pull-Down „Start Time“ give the possibility to set a default start Time:

- **Start Time 00:00:00**
- **Start Time -1 hour**
- **Start Time -2 hours**
- **Start Time -3 hours**

This value will be kept within the YCSLOG Profile.

The Pull-Down „Start Date“ give the possibility to set a default start Time:

- **Start Date today**
- **Start Date -1 day**
- **Start Date -2 days**
- **Start Date -3 days**

This value will be kept within the YCSLOG Profile.

If the selected Logstream is a Logrec type of Logtream than the IBM EREP *(Environmental Record Editing and Printing)* Utility will be used to produce a report. Following EREP Parameters will be used:

- ACC=N no accumulation
- ZERO=N
- TYPE=ABCDEFHIMOSTXYZ
- TABSIZE=2048K
- HIST=Y from Logstream history
- PRINT=PS detail edit and detail summary

The parameters are hardcoded within the YCLOGREC Rexx.

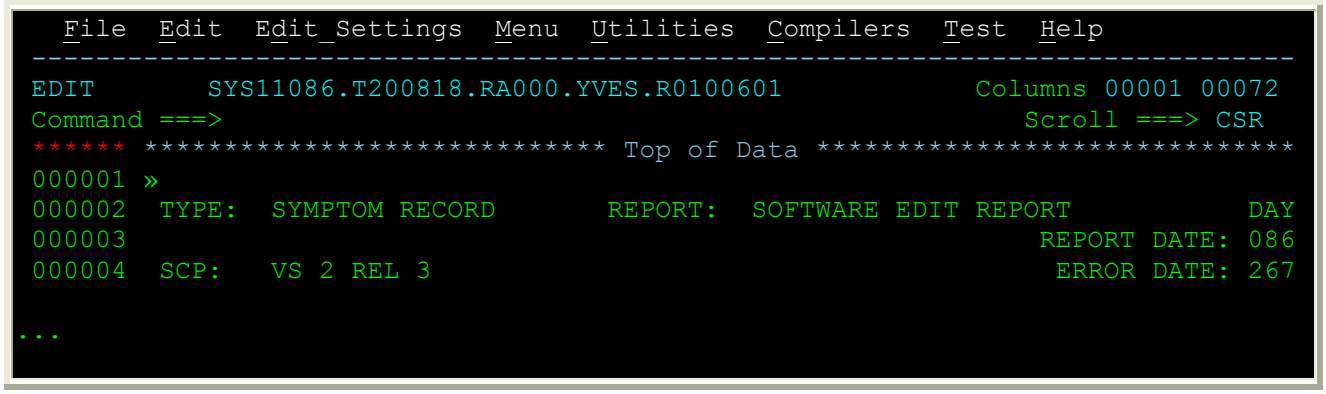


Figure 27: B:Browse – Logrec

If the selected Logstream is not an Operlog and also not a Logrec type of Logstream than the selected Logstream data will be selected based on the dates and times and the raw Logstream records will be displayed:

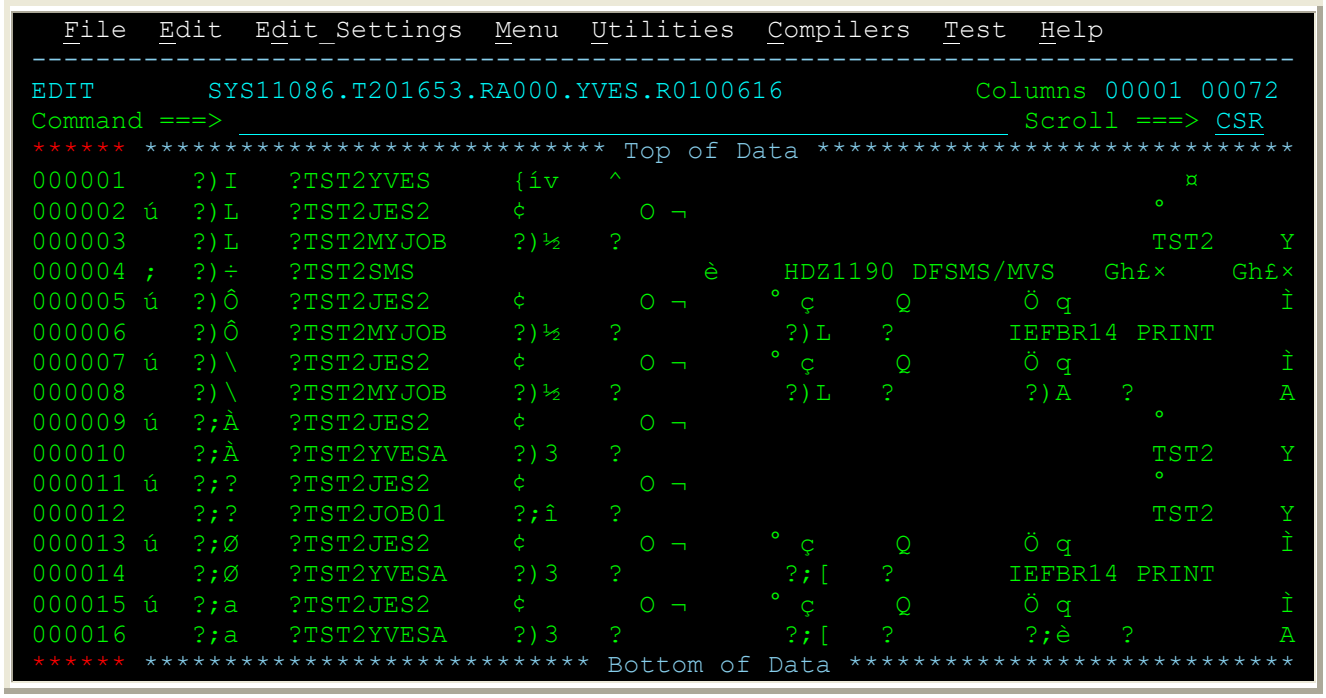


Figure 28: B:Browse – Logsream SMF

The BB – Browse Batch – will provide following JCL:

```
Please correct the JCL and Submit
  - Change Job Card
  - Select and Change the needed information

//YCLOGBR  JOB 'ACCT#',YVES,CLASS=A,MSGCLASS=X,NOTIFY=YVES
//*-------------------------------------------------------
//* This job can be used to browse records from Logstreams
//* (C) YCOS Yves Colliard Software GmbH 2011-11
//*-------------------------------------------------------
//* Logstream selected: Logstream.name
//*     from Date/Time: yyyy/jjj,hh:mm:ss
//*       to Date/Time: yyyy/jjj,hh:mm:ss
//*-------------------------------------------------------
//BRLOGST EXEC PGM=IEBGENER,REGION=6M
//SYSPRINT DD SYSOUT=*          Messages
//SYSIN    DD DUMMY
//SYSUT2   DD DISP=(,CATLG),   Output of IEBGENER
//         DSN=your.data.set,  <=================
//         SPACE=(CYL,(50,50),RLSE),LRECL=32756,
//         RECFM=VB
//SYSUT1   DD DISP=SHR,DSN=Logstream.name,
//         SUBSYS=(LOGR,exit,
//  'FROM=(yyyy/jjj,hh:mm:ss),TO=(yyyy/jjj,hh:mm:ss),LOCAL'),
//         DCB=(RECFM=VB,BLKSIZE=32760)
```

Figure 29: BB:Browse Logstream – Batch

The SYSUT2 DDName will contain the output of the display.

2.3 YCPlex Group Query

The YCPlex Group Query option 3 from the main menu of YCSLOG can be used to control the availability of YCPlex within the sysplex. It could be useful if the YCPlex should be used within option 1 or a remote SMF processing.

The YCPlex Group Query will be called from the REXX YCPLEXQY. This function can also be call in batch – see option 3B.

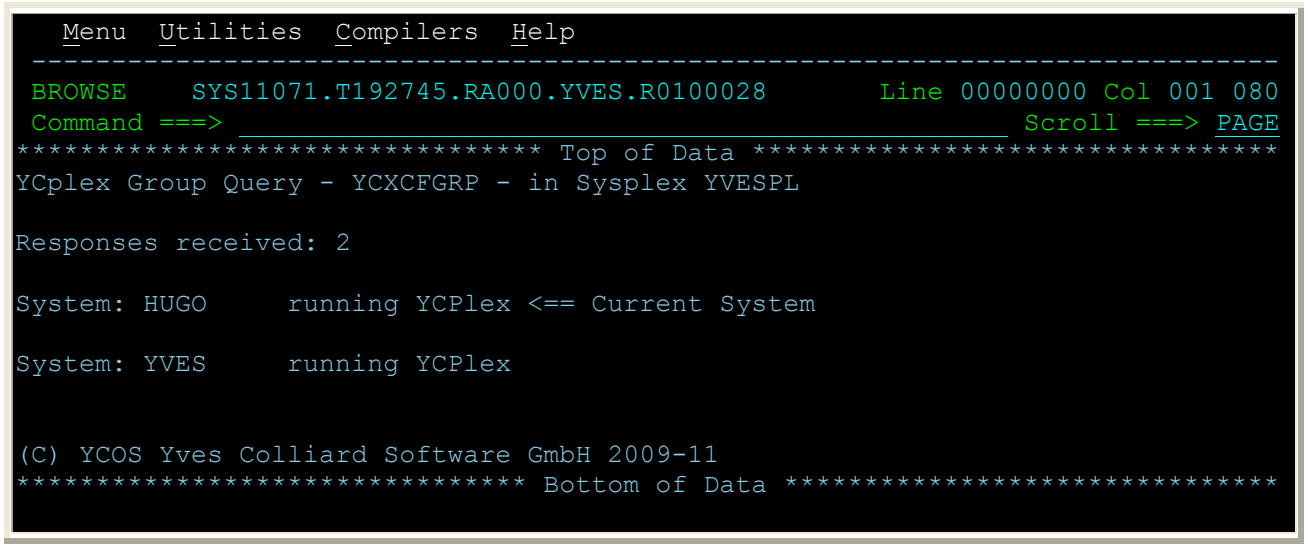


Figure 30: YCPLEXQY – YCPlex Group Query – Display

All systems within the sysplex will be displayed and also the current status of YCPlex.

The 3B option of the main menu will provide following JCL:

```
Please correct the JCL and Submit
  - Change Job Card
  - Select and Change the needed information

//YCPLEXQY JOB 'ACCT#',YVES,CLASS=A,MSGCLASS=X,NOTIFY=YVES
//*-------------------------------------------------------
//* This job can be used to query YCPlex Group
//* (C) YCOS Yves Colliard Software GmbH 2009-11
//*-------------------------------------------------------
//PLEXQRY   EXEC PGM=IKJEFT01,REGION=0M,PARM='YCPLEXQY'
//SYSPROC   DD DISP=SHR,DSN=&USR..YCSLOG.REXX
//             current ISPF concatenation will be inserted
//PLXQRY    DD SYSOUT=*      Output of REXX
//SYSTSPRT  DD SYSOUT=*
//SYSTSIN   DD DUMMY
//SYSUDUMP  DD SYSOUT=*
```

Figure 31: YCPLEXQY – YCPlex Group Query – Batch

The PLXQRY DDName will contain the output of the display.

Output can also be sent to a dataset.

```
//*PLXQRY    DD DISP=(,CATLG),   Output of REXX
//*          DSN=your.data.set,  <=================
//*          SPACE=(TRK,(15,15),RLSE),LRECL=256,
//*          RECFM=FB
```

3 Installation

3.1 Delivery

The delivery of YCSLOG will contain following libraries and items:

- Sample Code
  - MGOPARM *(YCPlex)* – DSECT für den Aufruf von YCXCFMGO Die MGOPARM DSECT kann in Assembler-Programmen verwendet werden, die einen Aufruf von YCXCFMGO durchführen wollen. MGOPARM wird für die Parameter verwendet. MGOPARM unterstützt die Parameter:
    1. DSECT=NO|YES
    2. SYSTEM=1-32 – dabei wird entsprechend viel Platz für die Antworten reserviert.
  - YCSMFLOJ *(YCSLOG)* – Beispiel JCL für die Ausführung von YCSMFLOG
  - YCXCFASJ *(YCPlex)* – Job Control für den Aufruf von YCXCFASM
  - YCXCFASM *(YCPlex)* – Assembler Beispiel für den Aufruf von YCXCFMGO für eine SEND Request
  - YCXCFRMG *(YCPlex)* – System Rexx Beispiel für die Behandlung einer Request durch YCXCFSND oder YCXCFASM
  - YCXCFSND *(YCPlex)* – System Rexx Beispiel für den Aufruf von YCXCFMGO für eine SEND Request
  - YCXCFSTJ *(YCPlex)* – JCL für die YCPlex Started Task. Die JCL YCXCFSTJ kann als Beispiel für die Started Task YCPlex verwendet werden. YCPlex kann auch als Batch Job gestartet werden
  - YCXCFTST *(YCPlex)* – System Rexx Beispiel für die Behandlung einer Request durch YCXCFSND oder YCXCFASM
- System Rexx Code
  - YCSMFQSR *(YCSLOG)* – die SMF-Message-Input-Rexx, diese bekommt die Kontrolle bei jedem SEND Request um IFAQUERY durchzuführen. Diese Funktion wird in der REXX YCSMFQRX bzw. YCSMFQRY Load Module verwendet
  - YCSMFREM *(YCSLOG)* – die SMF-Message-Input-Rexx, diese bekommt die Kontrolle beim Remote Unload von DASDONLY Logstreams
  - YCXCFREX *(YCPlex)* – die Message-Input-Rexx, diese bekommt die Kontrolle bei jedem SEND Request, kann diese bearbeiten und über YCXCFMGO eine Antwort liefern
- Rexx Code
  - OPERLOG *(YCOPRLOG)* – YCOS Operlog Viewer
  - YCFINDDD *(YCSLOG)* – YCOS Utility to find all datasets belonging to SYSPROC/SYSEXEC DD statement

- YCJOBC *(YCSLOG)* – YCOS Utility to create a customized Job Card statement
- YCLOGMRX *(YCSLOG)* – YCOS System Logger Logstream Utility. Query all Logstreams using IXCMIAPU and give several possibilities to Query/Do other things
- YCLOGQRX *(YCSLOG+YCOPRLOG)* – YCOS System Logger Logstream Query Utility
- YCLOGRDX *(YCSLOG)* – YCOS System Logger Logstream Report Detail Utility
- YCLOGREC *(YCSLOG)* – YCOS Run LOGREC Utility
- YCLOGSE1 *(YCSLOG)* – YCOS Browse Logstream Utility
- YCMACRES *(YCSLOG)* – YCOS General purpose Edit Macro
- YCOPRLM1 *(YCOPRLOG)* – Operlog Viewer Edit Macro
- YCOPRLM2 *(YCOPRLOG)* – Operlog Viewer Edit Macro
- YCOPRLM3 *(YCOPRLOG)* – Operlog Viewer Edit Macro
- YCOPRLM4 *(YCOPRLOG)* – Operlog Viewer Edit Macro
- YCOPRLM5 *(YCOPRLOG)* – Operlog Viewer Edit Macro
- YCOPRLRX *(YCOPRLRX)* – YCOS Operlog Viewer
- YCPLEXQY *(YCSLOG+YCPlex)* – YCPlex Query find all member of YCXCFGRP Group
- YCRXDUMP *(all)* – YCOS Debug Utility
- YCSLOG *(YCSLOG)* – YCOS System Logger Utility
- YCSMFINI – YCOS SMF Logstream Parameter Utility
- YCSMFLRX *(YCSLOG)* – YCOS SMF Logstream Utility
- YCSMFQRX *(YCSLOG)* – YCOS SMF Logstream Query Utility
- YSMFT *(YCSLOG)* – YCOS SMF Clock Conversion Utility
- YSTCK *(YCSLOG)* – YCOS Store Clock Conversion Utility
- YSYMBOL *(YCSLOG)* – YCOS Symbol Substitution Utility

- Panels
  - YCBAR *(YCSLOG)* – YCOS System Logger Utility Activity
  - YCLOGH00 *(YCSLOG)* – YCOS System Logger Primary Help Panel
  - YCLOGH01 *(YCSLOG)* – YCOS System Logger Utility Help Panel
  - YCLOGP00 *(YCSLOG)* – YCOS System Logger Primary Panel
  - YCLOGP01 *(YCSLOG)* – YCOS System Logger Utility Panel
  - YCLOGSE1 *(YCSLOG)* – YCOS System Logger Browse selection Panel
  - YCOPRLH1 *(YCOPRLOG)* – YCOS Operlog Viewer Help Panel
  - YCOPRLP1 *(YCOPRLOG)* – YCOS Operlog Viewer Panel
  - YCOPRNWS*(YCOPRLOG)* – YCOS Operlog Viewer What's New Panel
- Load Modules – Linklist
  - YCLOGALC *(YCSLOG)*
  - YCLOGQRY *(YCSLOG)*
  - YSYMB *(YCSLOG)*

- Load Modules- Linklist und APF
    - YCOPRLOG *(YCOPRLOG)*
    - YCSMFLOG *(YCSLOG)*
    - YCSMFQRY *(YCSLOG)*
    - YCTSOMNT *(YCPlex)*
    - YCXCFASM *(YCPlex)*
    - YCXCFCMD *(YCPlex)*
    - YCXCFMGI *(YCPlex)*
    - YCXCFMGO *(YCPlex)*
    - YCXCFSTC *(YCPlex)*
    - YCXCFTIM *(YCPlex)*
    - YCXCFWRK *(YCPlex)*

The delivery items are parts of the following components:

- YCSLOG: base functions of the YCSLOG utility
- YCOPRLOG: OPERLOG Viewer
- YCPlex: YCOS Sysplex utility

3.2 Installation

YCSLOG is delivered as a XMIT file:
YCSLOG.Vvrm.PTF###.XMIT

This file has to be transferred to the Host to a dataset with following format:

- LRECL = 80
- RECFM = F *(or FB)*
- the transfer has to be done as binary

The YCSLOG installation files can be created using following JCL:
DO NOT REMOVE THE BLANK LINES!
Change:

- **HLQ to a valid High Level Qualifier**
- **Vvrm to the delivered Version, Release and Modification Level**
- **### to the delivered PTF Version**

DO NOT REMOVE THE BLANK LINES!

```
//YCINSTAL  EXEC PGM=IKJEFT01,REGION=2M,DYNAMNBR=128
//*-------------------------------------------------------
//* THIS JOB CAN BE USED TO INSTALL THE
//*      YCSLOG PRODUCT
//* (C) YCOS YVES COLLIARD SOFTWARE GMBH 2009-11
//*-------------------------------------------------------
//* THE INPUT FILE SHOULD HAVE FOLLOWING NAME:
//*     HLQ.YCSLOG.Vvrm.PTF###.XMIT
//*-------------------------------------------------------
//* CUSTOMIZATION:
//*     CHANGE HLQ TO YOUR NAMING CONVENTION
//*-------------------------------------------------------
//* ATTENTION: DO NOT REMOVE THE EMPTY LINES!!!!!!!!!
//*-------------------------------------------------------
//SYSTSPRT  DD SYSOUT=*
//SYSTSIN   DD *
RECEIVE INDATASET('HLQ.YCSLOG.Vvrm.PTF###.XMIT')

RECEIVE INDATASET('HLQ.YCSLOG.Vvrm.PTF###(LINKAPF)')

RECEIVE INDATASET('HLQ.YCSLOG.Vvrm.PTF###(LINKLIB)')

RECEIVE INDATASET('HLQ.YCSLOG.Vvrm.PTF###(PANELS)')

RECEIVE INDATASET('HLQ.YCSLOG.Vvrm.PTF###(REXX)')

RECEIVE INDATASET('HLQ.YCSLOG.Vvrm.PTF###(SAMPLIB)')
```

```
RECEIVE INDATASET('HLQ.YCSLOG.Vvrm.PTF###(SAXREXEC)')

DEL 'HLQ.YCSLOG. Vvrm.PTF###'
/*
```

Figure 32: YCSLOG installation JCL

Following datasets will be created:

- hlq.YCSLOG.Vvrm.PTF###.LINKAPF
- hlq.YCSLOG.Vvrm.PTF###.LINKLIB
- hlq.YCSLOG.Vvrm.PTF###.PANELS
- hlq.YCSLOG.Vvrm.PTF###.REXX
- hlq.YCSLOG.Vvrm.PTF###.SAMPLIB
- hlq.YCSLOG.Vvrm.PTF###.SAXREXEC

3.3 Installation Sample Code

Following system Rexx have to be copied from the hlq.YCSLOG.Vvrm.PTF###.SAMPLIB to your SYS1.SAXREXEC or user defined system Rexx library, if the samples will also be used/tested:

- YCXCFSND
- YCXCFRMG
- YCXCFTST

3.4 Installation System Rexx Code

The installation and usage of YCPlex requires the installation oft he System Rexx Code. The System Rexx must be copied to SYS1.SAXREXEC if running z/OS 1.10 or lower; starting with z/OS 1.11 the System Rexx can also be copied in a user defined concatenation to SYS1.SAXREXEC – see AXR## member in Parmlib.

The copy of all members from hlq.YCSLOG.Vvrm.PTF###.SAXREXEC to the wanted target should be done using customer defined procedures.

3.5 Installation REXX

The Rexx procedures within hlq.YCSLOG.Vvrm.PTF###.REXX have to be copied/concatenated to the TSO/ISPF SYSPROC or SYSEXEC.

3.6 Installation Panels

The ISPF Panels within hlq.YCSLOG.Vvrm.PTF###.PANELS have to be copied/concatenated to the TSO/ISPF ISPPLIB.

3.7 Installation Load Modules – Linklist

The modules within hlq.YCSLOG.Vvrm.PTF###.LINKLIB have to be copied/concatenated to the MVS Linklist.

If the load library have to be added to the linklist following procedure can be used – please create a LINKLIB dataset name without version and PTF information; it will simplify the installation of changes and/or new versions

Linklist Definition:
1. within the PROGxx member of the Parmlib-Concatenation insert following statement:

```
LNKLST ADD NAME(lnkname) DSN(customer.YCSLOG.LINKLIB)
                         [ VOLUME(volser) ]
```

Figure 33: PROGxx Linklist

3.8 Installation Load Modules – Linklist + APF

The modules within hlq.YCSLOG.Vvrm.PTF###.LINKAPF have to be copied/concatenated to the MVS Linklist and also APF authorized.

If the load library have to be added to the linklist and the APF list following procedure can be used – please create a LINKAPF dataset name without version and PTF information; it will simplify the installation of changes and/or new versions.

Linklist Definition:
1. within the PROGxx member of the Parmlib-Concatenation insert following statement:

```
LNKLST ADD NAME(lnkname) DSN(customer.YCSLOG.LINKAPF)
                         [ VOLUME(volser) ]
```

Figure 34: PROGxx LINKAPF

APF Definition:
2. within the PROGxx member of the Parmlib-Concatenation insert following statement:

```
APF ADD
    DSNAME(customer.YCSLOG.LINKAPF)                    SMS
or
    DSNAME(customer.YCSLOG.LINKAPF)                    VOLUME(xxxxxx)
```

2. dynamically per command:

```
SETPROG APF,ADD,DSNAME=customer.YCSLOG.LINKAPF,SMS
or
SETPROG APF,ADD,DSNAME=customer.YCSLOG.LINKAPF,VOLUME=xxxxxx
```

Figure 35: PROGxx APF Authorization

3.9 TSO Authorization

Following modules have to be authorized within TSO

- YCOPRLOG needs to be authorized to enable OPERLOG Viewer
- YCXCFMGO needs to be authorized to enable YCPlex call
- YCSMFQRY needs to be authorized to enable Sysplex Query

Following changes have to be done to the IKJTSOxx Parmlib member:

```
AUTHPGM NAMES(  +
     ...
  YCOPRLOG              /* OPERLOG    YCOS          */ +
  YCSMFQRY              /* IFAQUERY   YCOS          */ +
  YCXCFMGO              /* YCPLEX     YCOS          */ +
  IXCMIAPU              /* YCSLOG     YCOS          */ +
     ... )
```

Figure 36: TSO Authorization – IKJTSOxx

The IKJTSOxx member can be activated using a T IKJTSO=xx command.

3.10 STC: YCPlex Started Task

See YCPlex User's Guide

3.11 RACF

3.11.1 RACF: YCPlex

See YCPlex User's Guide

3.11.2 RACF: YCSLOG

Following authorization will be needed to use YCSLOG:

- IXCMIAPU usage:
  - Class: FACILITY
  - Profile: MVSADMIN.XCF.LOGR
  - Read authority to access the policy information

  Or
  - Alter authority to change the policy
- Access to the Logstreams *(LOGSTRM Class Active!)*:
  - Class: LOGSTRM
  - Profile:
    1. OPERLOG: SYSPLEX.OPERLOG
    2. SMF: IFASMF…
    3. …
  - Read Authority

3.11.3 RACF: Query Sysplex

The query sysplex function is using the YCPlex interface – authorization to the YCPlex SEND function will be required. See YCPlex User's Guide.

3.11.4 RACF: Remote Unload

The remote SMF unload function is also using the YCPlex interface – authorization to the YCPlex SEND function will be required. See YCPlex User's Guide.

3.12 Performance: YCPlex

See YCPlex User's Guide

4 Operations

4.1 Start von YCPlex

See YCPlex User's Guide

4.2 Stop von YCPlex

See YCPlex User's Guide

4.3 Modules, Versionen, PTF und Compile von YCPlex

See YCPlex User's Guide

4.4 YCXCFREX System Rexx Diagnosis

See YCPlex User's Guide

4.5 Messages

4.5.1 Messages YCPlex

See YCPlex User's Guide

4.5.2 Messages OPERLOG

See OPERLOG Viewer User's Guide

4.5.3 Messages YCSMFLOG

YCSLG01A PARAMETER xxxx LENGTH ERROR
The parameter has not the expected length

YCSLG02A PARAMETER xxxx EYECATCHER ERROR
The expected parameter eyecatcher was not found – xxxx found instead

YCSLG03A PARAMETER SEQUENCE ERROR, xxxx FOLLOWING yyyy
Parameter sequence error; xxxx should not follow yyyy
Supported sequences:
BASE
LOGS
DDNM
IDSS and/or STAT

YCSLG04A TOO MUCH DD STATEMENTS
The number of DD statements exceed the current maximum of 16

YCSLG05A TOO MUCH LOGSTREAM STATEMENTS
The number of Logstream statements exceed the current maximum of 9

YCSLG06A OUTPUT DATASET OPEN ERROR – DDNAME xxxxxxxx
Open Error on dataset indicated by DDName xxxxxxxx

YCSLG07A ERROR DURING SYSTEM LOGGER xxxxxxxx , RETURN CODE ret , REASON CODE rsnc
System Logger function xxxxxxxx ended with an unexpected return and reason code

YCSLG08I LOG STREAM IS EMPTY
The Logstream does not contain any data

YCSLG09I NO RECORDS FOUND
No records found within the given time range

YCSLG10I RECORDS NOT AVAILABLE. xxxxxxxx RETURN CODE rect, REASON CODE rsnc

Error during Browsing the Logstream – some records are missing – Gap

YCSLG11A ERROR IN USER EXIT USER# - exitname

User Exit # – Name exitname – of YCSMFLOG utility has delivered an condition code and will not be called again

YCSLG12A ERROR DURING LOADING EXIT# - exitname

Error during load of the user exit# – Name exitname – of the YCSMFLOG utility. YCSMFLOG will stop

4.5.4 Messages YCSMFQRY

YSMFQ01A YCXCFMGO RETURN CODE 8 - CATASTROPHIC ERROR

Please contact support

5 YCSLOG Support

YCOS Yves Colliard Software GmbH
Fremersbergstr. 45
D-76530 Baden-Baden

Tel: (D) 07221/9708384
Fax: (D) 0322 2374 2352

e-Mail: ycos@ycos.de
Home: http://www.ycos.de

6 YCSLOG Version and Release

6.1 Version 2 Release 0 und PTFs

PTF Mod	Date - Comment
0018	24.03.11 – Version 2.0 - GA – General Availability

6.2 Version 1 Release 0 und PTFs

PTF Mod	Date - Comment
0000	29.09.09 – Version 1.0 - GA – General Availability

7 Index

A___
APF Authorized Program Facility
Load Modules 61

B___
Beispiel
YCSMFLOJ 51
YCXCFASJ 51
YCXCFRMG 51
YCXCFSND 51
YCXCFTST 51
Beispiel JCL
YCSMFLOG 51

C___
CDS Couple Data Set
Compile
YCPlex 64
Couple Data Set CDS
Cross System Coupling Facility see XCF

D___
DASDONLY unload
YCSMFREM 51
DD DDNAME
DD Name
DDNAME Keyword 34
DD Name Exclude Records
EXREC DDNAME Sub-Keyword 35
DD Name Records
REC DDNAME Sub-Keyword 35
DD Name Statistics
STAT DDNAME Sub-Keyword 36
DD Name System ID
SID DDNAME Sub-Keyword 35
DDNAME
DD Name 34
YCSMFLOJ 34
delivery
Tool 51
Diagnosis
System Rexx 64
YCXCFREX 64

E___
ED END_DATE
END_DATE
Logstream End Date 32
YCSMFLOJ 32
END_RANGE
Logstream End Time 34
YCSMFLOJ 34
END_TIME
Logstream End Time 33
YCSMFLOJ 33
ER END_RANGE
ET END_TIME
EX EXREC
EXREC
DD Name Exclude Records 35
YCSMFLOJ 35

F___
F
YCPlex LOADMODS 64
F DIAGREXX
YCPlex 64
F DIAGRMSG
YCPlex 64

I___
IKJTSOxx
IXCMIAPU 62
YCOPRLOG 62
YCSMFQRY 62
YCXCFMGO 62
Installation
Beschreibung 51
Load Module Linklist 60
Load Module Linklist + APF 61
MGOPARM Macro 51
OPERLOG 51
Panels 59
REXX 58
Sample Code 56
System Rexx Code 57
TSO Authorization 62
YCFINDDD 51
YCJOBC 52
YCLOGMRX 52
YCLOGQRX 52
YCLOGRDX 52
YCLOGREC 52
YCLOGSE1 52

YCMACRES 52
YCOPRLM1 52
YCOPRLM2 52
YCOPRLM3 52
YCOPRLM4 52
YCOPRLM5 52
YCOPRLRX 52
YCPLEXQY 52
YCRXDUMP 52
YCSLOG 52; 54
YCSMFINI 52
YCSMFLOJ 51
YCSMFLRX 52
YCSMFQRX 52
YCSMFQSR 51
YCSMFREM 51
YCXCFASJ 51
YCXCFREX 51
YCXCFRMG 51
YCXCFSND 51
YCXCFSTJ 51
YCXCFTST 51
YSMFT 52
YSTCK 52
YSYMBOL 52
Installation Panels
ISPPLIB 59
Installation REXX
SYSEXEC 58
SYSPROC 58
ISPPLIB
Installation Panels 59
IXCMIAPU
IKJTSOxx 62
LOGS Definition 17; 19
Report Detail 15
TSO 62

L___

Linklist
Load Modules 60
Load Module
YCLOGALC 52
YCLOGQRY 52
YCOPRLOG 53
YCSMFLOG 53
YCSMFQRY 53
YCTSOMNT 53
YCXCFASM 53
YCXCFCMD 53
YCXCFMGI 53
YCXCFMGO 53
YCXCFSTC 53
YCXCFTIM 53
YCXCFWRK 53
YSYMB 52
Load Module Linklist
Installation 60
Load Module Linklist + APF
Installation 61
Load Modules
APF 61
Installation Linklist 52
Installation Linklist und APF 53
Linklist 60
LOGS
SMF Logstream name 31
YCSMFLOJ 31
LOGS Definition
IXCMIAPU 17; 19
Logstream
LS Keyword 31
Logstream Browse Utility
YCSMFQRX 44
Logstream End Date
ED LOGS Sub-Keyword 32
Logstream End Time
ER LOGS Sub-Keyword 34
ET LOGS Sub-Keyword 33
Logstream Read Time
RT LOGS Sub-Keyword 33
Logstream Start Date
SD LOGS Sub-Keyword 31
Logstream Start Time
SR LOGS Sub-Keyword 34
ST LOGS Sub-Keyword 32
LS LOGS

M___

Macro
MGOPARM 51
Message
YCSLG01A 65
YCSLG02A 65
YCSLG03A 65
YCSLG04A 65
YCSLG05A 65
YCSLG06A 65
YCSLG07A 65
YCSLG08I 65
YCSLG09I 65
YCSLG10I 66

YCSLG11I 66
YCSLG12I 66
YSMFQ01A 66
Messages
YCPlex 65
YCSLOG 65
YCSMFLOG 65
YCSMFQRY 66
MGOPARM
Macro 51
Modify DIAGREXX
YCPlex 64
Modify DIAGRMSG
YCPlex 64
Modify LOADMODS
YCPlex 64
Modules
YCPlex 64

O___
Offload Datasets
YCLOGQRX 10
Operations
Overview 64
OPERLOG
Installation 51
Messages 65
Rexx 51
YCPlex 65
OPERLOG Viewer YCOS OPERLOG Utility
Option 1
YCLOGMRX 7
Option 3
YCPLEXQY YCPlex Group Query 49
Option 3B
YCPLEXQY YCPlex Group Query Batch 49
Option B
YCLOGSE1 Logstream Browse Utility 44
Option BB
YCSMFQRX SMF Logstream Browse Utility Batch 44
Option D
IXCMIAPU Define 17
Option DA
IXCMIAPU Define All 19
Option DAB
IXCMIAPU Define All Batch 19
Option DB
IXCMIAPU Define Batch 17
Option O
YCLOGQRX Offload Datasets 10
Option OB
YCLOGQRX Offload Datasets Batch 10; 14
Option Q
YCSMFQRX SMF Query 20
Option QA
YCSMFQRX SMF Query All 22
Option QAB
YCSMFQRX SMF Query All Batch 22; 23
Option QB
YCSMFQRX SMF Query Batch 20; 21
Option QS
YCSMFQRX SMF Query in Sysplex 24
Option QSA
YCSMFQRX SMF Query All in Sysplex 26
Option QSAB
YCSMFQRX SMF Query All in Sysplex Batch 26
Option QSB
YCSMFQRX SMF Query in Sysplex Batch 24; 25
Option RD
IXCMIAPU Report Detail 15
Option RDB
IXCMIAPU Report Detail Batch 15; 16
Option SU
YCSMFLOG SMF Unload 28
Option SUB
YCSMFLOG SMF Unload 28
Overview
YCSLOG 5

P___
Panel
YCBAR 52
YCLOGH00 52
YCLOGH01 52
YCLOGP00 6; 52
YCLOGP01 52
YCLOGSE1 52
YCOPRLH1 52
YCOPRLP1 52
YCOPRNWS 52
Panels
Installation 52; 59
Performance
YCPlexe 63

PREFIX
Remote unload 36
YCSMFLOJ 36
PTF
YCPlex 64
PTF V1R0
YCSLOG 68
PTF V2R0
YCSLOG 68

Q___

Query Sysplex
RACF 63
Query Sysplex Unload 63
Query/Display Logstreams
YCSLOG 7; 49

R___

RACF Resouce Access Control Facility
Remote Unload 63
Setup 63
YCPlex 63
YCSLOG 63
READ_TIME
Logstream Read Time 33
YCSMFLOJ 33
REC
DD Name Records 35
YCSMFLOJ 35
Release
YCSLOG 68
REMOTE
Remote unload 36
YCSMFLOJ 36
Remote unload
PREFIX 36
REMOTE 36
TIMEOUT 37
YCSMFREM 51
Remote Unload
RACF 63
Report Detail
IXCMIAPU 15
REXX
Installation 51; 58
OPERLOG Rexx 51
YCFINDDD Rexx 51
YCJOBC Rexx 52
YCLOGMRX 7
YCLOGMRX Rexx 52
YCLOGQRX 10
YCLOGQRX Rexx 52
YCLOGRDX Rexx 52
YCLOGREC Rexx 52
YCLOGSE1 44
YCLOGSE1 Rexx 52
YCMACRES Rexx 52
YCOPRLM1 Rexx Edit Macro 52
YCOPRLM2 Rexx Edit Macro 52
YCOPRLM3 Rexx Edit Macro 52
YCOPRLM4 Rexx Edit Macro 52
YCOPRLM5 Rexx Edit Macro 52
YCOPRLRX Rexx 52
YCPLEXQY 49
YCPLEXQY Rexx 52
YCRXDUMP Rexx 52
YCSLOG 6
YCSLOG Rexx 52
YCSMFINI Rexx 52
YCSMFLRX 28
YCSMFLRX Rexx 52
YCSMFQRX 20; 22; 24; 26
YCSMFQRX Rexx 52
YSMFT Rexx 52
YSTCK Rexx 52
YSYMBOL Rexx 52
RT READ_TIME

S___

Sample
YCSMFLOJ JCL 51
YCXCFASJ JCL 51
YCXCFASM Assembler 51
YCXCFRMG System Rexx 51
YCXCFSND System Rexx 51
YCXCFSTJ JCL 51
YCXCFTST System Rexx 51
Sample Code
Installation 51; 56
Sample SMF Unload
YCSMFLOJ 28
SD START_DATE
Shutdown
YCPlex 64
SID
DD Name System ID 35
YCSMFLOJ 35
SMF Query
YCSMFQRX 20
SMF Query All
YCSMFQRX 22

SMF Query All in Sysplex
YCSMFQRX 26
SMF Query in Sysplex
YCSMFQRX 24
SMF Unload
YCSMFLOG 28
SR START_RANGE
ST START_TIME
Start
YCPlex 64
YCSLOG 6
START_DATE
Logstream Start Date 31
YCSMFLOJ 31
START_RANGE
Logstream Start Time 34
YCSMFLOJ 34
START_TIME
Logstream Start Time 32
YCSMFLOJ 32
STAT
DD Name Statistics 36
YCSMFLOJ 36
STC Started Task
Performance 63
Setup 63
Stop
YCPlex 64
Support
YCSLOG 67
SYS1.SAXREXEC
YCSMFQSR System Rexx 57
YCXCFREX System Rexx 57
SYSEXEC
Installation REXX 58
SYSPROC
Installation REXX 58
System Rexx
Diagnosis 64
YCSMFQSR System Rexx 51
YCSMFREM System Rexx 51
YCXCFREX System Rexx 51
System REXX
Installation 51
System Rexx Code
Installation 57

T___

TIMEOUT
Remote unload 37
YCSMFLOJ 37
TSO
IXCMIAPU 62
YCOPRLOG 62
YCSMFQRY 62
YCXCFMGO 62
TSO Authorization
Installation 62

U___

User Exit 1
USER1 37
USER3 37
User Exit 2
USER2 37
USER1
User Exit 1 37
User Exit 2 37
YCSMFLOJ 37
USER2
YCSMFLOJ 37
USER3
User Exit 3 37
YCSMFLOJ 37

V___

Version
YCSLOG 68
Version V1R0
YCSLOG 68
Version V2R0
YCSLOG 68
Versionen
YCPlex 64

X___

XCF Cross System Coupling Facility

Y___

YCBAR
Panel 52
YCFINDDD
Installation 51
Rexx 51
YCJOBC
Installation 52
Rexx 52
YCLOGALC
Load Module 52

YCLOGH00
Panel 52
YCLOGH01
Panel 52
YCLOGMRX
Installation 52
Query/Display Logstreams REXX 7
Rexx 52
YCLOGP00
Main Menu 6
Panel 52
YCLOGP01
Panel 52
YCLOGQRX
Installation 52
Offload Datasets REXX 10
Rexx 52
YCLOGQRY
Load Module 52
YCLOGRDX
Installation 52
Rexx 52
YCLOGREC
Installation 52
Rexx 52
YCLOGSE1
Installation 52
Logstream Browse Utility REXX 44
Panel 52
Rexx 52
YCMACRES
Installation 52
Rexx 52
YCOPRLH1
Panel 52
YCOPRLM1
Installation 52
Rexx 52
YCOPRLM2
Installation 52
Rexx 52
YCOPRLM3
Installation 52
Rexx 52
YCOPRLM4
Installation 52
Rexx 52
YCOPRLM5
Installation 52
Rexx 52
YCOPRLOG
IKJTSOxx 62
Load Module 53
TSO 62
YCOPRLP1
Panel 52
YCOPRLRX
Installation 52
Rexx 52
YCOPRNWS
Panel 52
YCOS OPERLOG Utility OPERLOG Viewer
YCOS SMF Logstream Unload Utility YCSMFLOG; YCSMFLOG
YCOS Sysplex Communication YCPlex
YCOS System Logger Utility YCSLOG
YCPlex YCOS Sysplex Communication
Compile 64
F DIAGREXX 64
F DIAGRMSG 64
F LOADMODS 64
Messages 65
Modify DIAGREXX 64
Modify DIAGRMSG 64
Modify LOADMODS 64
Modules 64
Operations 64
Performance 63
PTF 64
RACF 63
Shutdown 64
Start 64
STC 63
Stop 64
Versionen 64
YCPlex Group Query
YCPLEXQY 49
YCPLEXQY
Installation 52
Rexx 52
REXX 49
YCPlex Group Query 49
YCRXDUMP
Installation 52
Rexx 52
YCSLG01A
Message 65
YCSLG02A
Message 65

YCSLG03A
Message 65
YCSLG04A
Message 65
YCSLG05A
Message 65
YCSLG06A
Message 65
YCSLG07A
Message 65
YCSLG08I
Message 65
YCSLG09I
Message 65
YCSLG10I
Message 66
YCSLG11I
Message 66
YCSLG12I
Message 66
YCSLOG YCOS System Logger Utility
APF 61
delivery 51
Einstieg REXX 6
installation 54
Installation 51; 52
Linklist 60
Load Module - Linklist 60
Load Module – Linklist + APF 61
Messages 65
Overview 5
Panels 59
PTF V1R0 68
PTF V2R0 68
Query/Display Logstreams 7; 49
RACF 63
Rexx 52
REXX 58
Sample Code 56
Start 6
Support 67
System Rexx Code 57
TSO Authorization 62
Version V1R0 68
Version V2R0 68
YCSLOG Main Menu
YCLOGP00 6
YCSMFINI
Installation 52
Rexx 52
YCSMFLOG YCOS SMF Logstream Unload Utility; YCOS SMF Logstream Unload Utility
Beispiel JCL 51
Load Module 53
Messages 65
Sample SMF Unload 28
SMF Unload 28
YCSMFLOJ
Beispiel 51
DDNAME Keyword 34
END_DATE Sub-Keyword LOGS 32
END_RANGE Sub-Keyword LOGS 34
END_TIME Sub-Keyword LOGS 33
EXREC Sub-Keyword DDNAME 35
Installation 51
JCL 51
LOGS Keyword 31
PREFIX Keyword 36
READ_TIME Sub-Keyword LOGS 33
REC Sub-Keyword DDNAME 35
REMOTE Keyword 36
Sample SMF Unload 28
SID Sub-Keyword DDNAME 35
START_DATE Sub-Keyword LOGS 31
START_RANGE Sub-Keyword LOGS 34
START_TIME Sub-Keyword LOGS 32
STAT Sub-Keyword DDNAME 36
TIMEOUT Keyword 37
USER1 Keyword 37
USER2 Keyword 37
USER3 Keyword 37
YCSMFLRX
Installation 52
Rexx 52
SMF Unload REXX 28
YCSMFQRX
Installation 52
Rexx 52
SMF Query All REXX 22
SMF Query REXX 20
YCSMFQSR 51
YCSMFQRY
IKJTSOxx 62
Load Module 53
Messages 66
SMF Query All in Sysplex REXX 26
SMF Query in Sysplex REXX 24
TSO 62
YCSMFQSR 51
YCSMFQSR

Installation 51
SYS1.SAXREXEC 57
System Rexx 51
YCSMFQRX 51
YCSMFQRY 51
YCSMFREM
DASDONLY unload 51
Installation 51
Remote unload 51
System Rexx 51
YCTSOMNT
Load Module 53
YCXCFASJ
Beispiel 51
Installation 51
Sample JCL 51
YCXCFASM
Load Module 53
YCXCFCMD
Load Module 53
YCXCFMGI
Load Module 53
YCXCFMGO
IKJTSOxx 62
Load Module 53
MGOPARM Macro 51
TSO 62
YCXCFREX
Diagnosis 64
Installation 51
SYS1.SAXREXEC 57
System Rexx 51
YCXCFRMG
Beispiel 51
Installation 51
System Rexx 51
YCXCFSND
Assembler Sample 51
Beispiel 51
Installation 51
System Rexx 51
YCXCFSTC
Load Module 53
YCXCFSTJ
Installation 51
JCL 51
YCXCFTIM
Load Module 53
YCXCFTST
Beispiel 51
Installation 51
System Rexx 51
YCXCFWRK
Load Module 53
YSMFQ01A
Message 66
YSMFT
Installation 52
Rexx 52
YSTCK
Installation 52
Rexx 52
YSYMB
Load Module 52
YSYMBOL
Installation 52
Rexx 52